

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036528.D
 Acq On : 22 Jan 2020 16:13
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Jan 22 22:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
1) Fluorobenzene	6.15	96	36959	1.00	ug/l	0.00	
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.66	95	13720	0.94	ug/l	0.00	1/23/2020 3:21:50 PM
Spiked Amount 1.000			Recovery	=	94.00%		
68) 1,2-Dichlorobenzene-d4	12.21	152	13589	1.06	ug/l	0.00	
Spiked Amount 1.000			Recovery	=	106.00%		
Target Compounds							
						Ovalue	
2) Dichlorodifluoromethane	1.39	85	121609	11.501	ug/l	100	
3) Chloromethane	1.54	50	126242	9.226	ug/l	100	
4) Vinyl Chloride	1.62	62	147023	9.358	ug/l	100	
5) Bromomethane	1.87	94	81482	9.767	ug/l	100	
6) Chloroethane	1.95	64	78303	8.539	ug/l	100	
7) Trichlorofluoromethane	2.16	101	142814	7.827	ug/l	100	
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	89371	9.358	ug/l	100	
9) 1,1-Dichloroethene	2.61	96	94328	9.683	ug/l	100	
10) Iodomethane	2.75	142	124874	10.705	ug/l	100	
11) Allyl Chloride	2.95	41	131746	6.898	ug/l	100	
12) Acrylonitrile	3.37	53	45909	16.799	ug/l	100	
13) Acetone	2.67	43	79131	24.147	ug/l	100	
14) Carbon Disulfide	2.82	76	330238	9.078	ug/l	100	
15) Methylene Chloride	3.08	84	108032	8.418	ug/l	100	
16) trans-1,2-Dichloroethene	3.39	96	104758	9.616	ug/l	100	
17) 1,1-Dichloroethane	3.91	63	172252	8.846	ug/l	100	
18) 2-Butanone	4.78	43	122885	34.818	ug/l	100	
19) Cyclohexane	5.42	56	157959m	8.348	ug/l		
20) Methylcyclohexane	6.80	83	179049	9.541	ug/l	100	
21) 2,2-Dichloropropane	4.71	77	148151	8.414	ug/l	100	
22) cis-1,2-Dichloroethene	4.71	96	109144	9.887	ug/l	100	
23) Diethyl Ether	2.41	59	74175	8.733	ug/l	100	
24) tert-Butyl Alcohol	3.28	59	65190	74.181	ug/l	100	
25) Methyl tert-Butyl Ether	3.42	73	251945	8.453	ug/l	100	
26) Bromochloromethane	5.02	128	47216	10.673	ug/l	100	
27) Chloroform	5.13	83	171059	8.824	ug/l	100	
28) 1,1,1-Trichloroethane	5.36	97	144159	8.399	ug/l	100	
29) 1,1-Dichloropropene	5.57	75	139821	8.916	ug/l	100	
30) Carbon Tetrachloride	5.56	117	123985	8.589	ug/l	100	
31) Isopropyl Ether	4.05	45	262107	8.000	ug/l	100	
32) Ethyl-t-butyl ether	4.56	59	275863	8.607	ug/l	100	
33) Tert-Amyl methyl ether	5.99	73	250433	8.598	ug/l	100	
34) Propionitrile	4.85	54	39727	45.123	ug/l	100	
35) Benzene	5.81	78	402420	9.177	ug/l	100	
36) 1,2-Dichloroethane	5.84	62	110213	7.847	ug/l	100	
37) Trichloroethene	6.58	130	111781	10.498	ug/l	100	
38) 1,2-Dichloropropane	6.83	63	101213	8.790	ug/l	100	
39) Methacrylonitrile	5.03	41	31003	7.432	ug/l	100	
40) Methyl acrylate	4.90	55	53843	8.699	ug/l	100	
41) Tetrahydrofuran	5.12	42	32947	15.231	ug/l	100	
42) 1-Chlorobutane	5.50	56	181717	7.999	ug/l	100	

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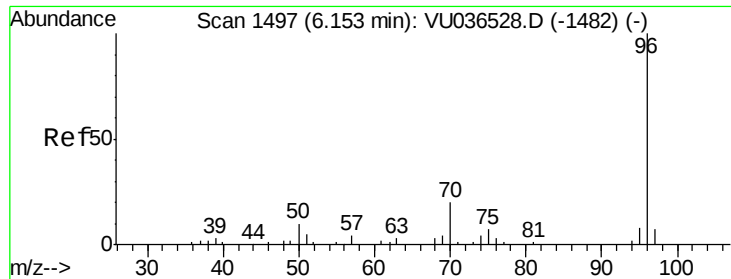
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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Quant Time: Jan 22 22:29:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
43) Dibromomethane	6.95	93	53747	9.088	ug/l	100	
44) Bromodichloromethane	7.14	83	126972	8.340	ug/l	100	
45) 4-Methyl-2-Pentanone	7.84	43	299196	36.579	ug/l	100	
46) t-1,4-Dichloro-2-butene	10.86	75	64660m	19.476	ug/l	100	1/23/2020 3:21:50 PM
47) Methyl methacrylate	7.00	69	104299	18.492	ug/l	100	
48) Ethyl methacrylate	8.37	69	103406	9.276	ug/l	100	
49) Toluene	8.00	92	255398	9.390	ug/l	100	
50) t-1,3-Dichloropropene	8.24	75	131390	8.795	ug/l	100	
51) cis-1,3-Dichloropropene	7.64	75	157231	9.106	ug/l	100	
52) 1,1,2-Trichloroethane	8.43	97	76090	9.702	ug/l	100	
53) 1,3-Dichloropropane	8.61	76	130549	8.920	ug/l	100	
54) 2-Hexanone	8.72	43	213884	37.981	ug/l	100	
55) Dibromochloromethane	8.84	129	88590	9.645	ug/l	100	
56) 1,2-Dibromoethane	8.95	107	73117	9.486	ug/l	100	
58) Tetrachloroethene	8.58	164	107561	12.229	ug/l	100	
59) Chlorobenzene	9.47	112	285596	9.948	ug/l	100	
60) 1,1,1,2-Tetrachloroethane	9.56	131	93489	9.616	ug/l	100	
61) Pentachloroethane	11.45	117	62984	7.875	ug/l	100	
62) Hexachloroethane	12.50	117	77744	9.257	ug/l	100	
63) Ethyl Benzene	9.60	91	482685	9.245	ug/l	100	
64) m/p-Xylenes	9.72	106	381259	19.749	ug/l	100	
65) o-Xylene	10.12	106	185459	9.842	ug/l	100	
66) Styrene	10.14	104	311499	10.017	ug/l	100	
67) Bromoform	10.32	173	52035	11.443	ug/l	100	
69) Isopropylbenzene	10.51	105	485940	9.594	ug/l	100	
70) 1,1,2,2-Tetrachloroethane	10.81	83	95572	9.046	ug/l	100	
71) 1,2,3-Trichloropropane	10.86	75	64027m	7.944	ug/l	100	
72) Bromobenzene	10.81	156	117881	10.995	ug/l	100	
73) n-propylbenzene	10.93	120	140613	10.352	ug/l	100	
74) 2-Chlorotoluene	11.01	126	115825	9.944	ug/l	100	
75) 1,3,5-Trimethylbenzene	11.11	105	412976	9.607	ug/l	100	
76) 4-Chlorotoluene	11.12	126	121916	10.163	ug/l	100	
77) tert-Butylbenzene	11.44	119	391187	9.499	ug/l	100	
78) 1,2,4-Trimethylbenzene	11.49	105	424596	9.536	ug/l	100	
79) sec-Butylbenzene	11.66	105	542049	9.484	ug/l	100	
80) Nitrobenzene	13.23	77	8489	45.816	ug/l	100	
81) p-Isopropyltoluene	11.81	119	455727	9.998	ug/l	100	
82) 1,3-Dichlorobenzene	11.77	146	232899	10.367	ug/l	100	
83) 1,4-Dichlorobenzene	11.86	146	231513	10.407	ug/l	100	
84) n-Butylbenzene	12.23	91	432124	9.008	ug/l	100	
85) 1,2-Dichlorobenzene	12.23	146	218580	10.283	ug/l	100	
86) 1,2-Dibromo-3-Chloropropan	13.02	75	15577	8.113	ug/l	100	
87) 1,2,4-Trichlorobenzene	13.86	180	157160	11.644	ug/l	100	
88) Hexachlorobutadiene	14.04	225	77596	12.245	ug/l	100	
89) Naphthalene	14.10	128	283329	10.581	ug/l	100	
90) 1,2,3-Trichlorobenzene	14.35	180	142679	11.509	ug/l	100	

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

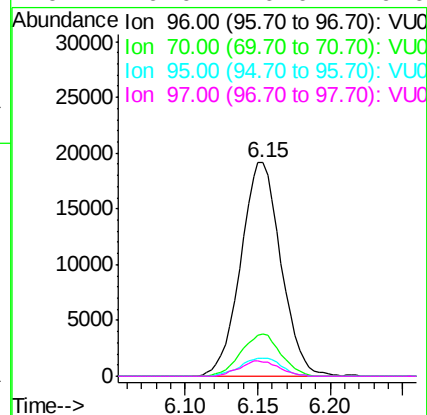
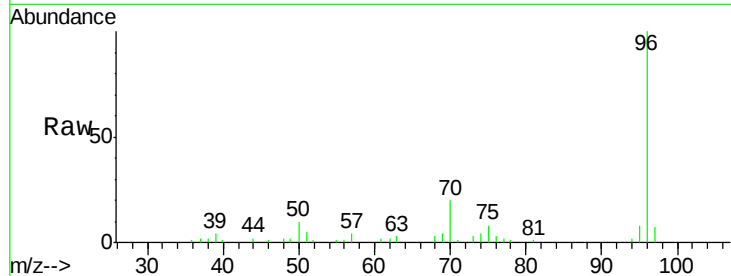
MSVOA_U

ClientSampleId :

VSTDICCC010

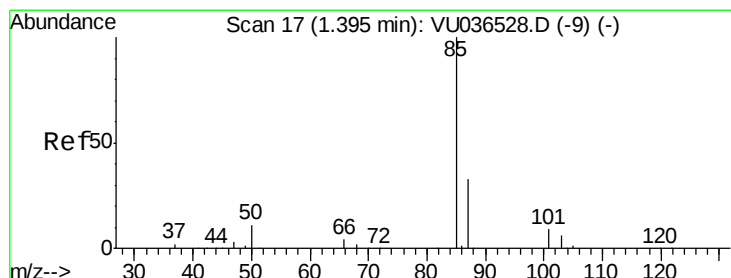
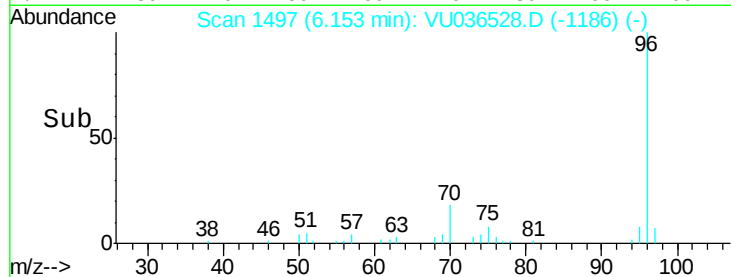
Tot Ion:	96	Resp:	36959
Ion	Ratio	Lower	Upper
96	100		
70	19.5	15.6	23.4
95	8.8	7.0	10.6
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 11.501 ug/l

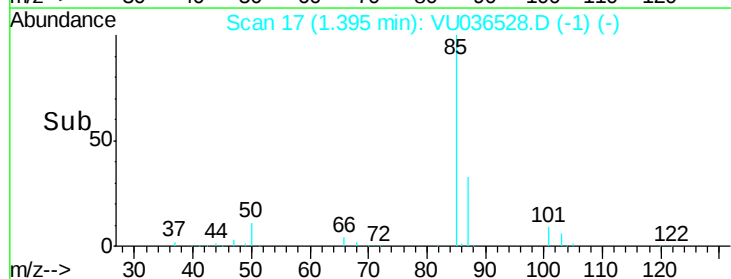
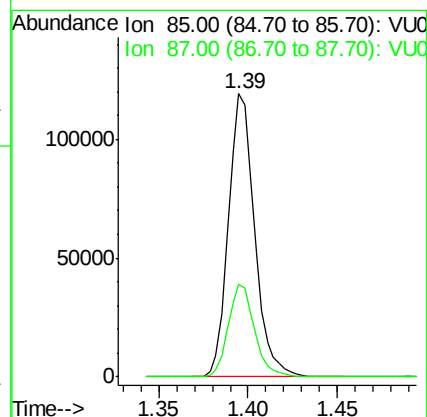
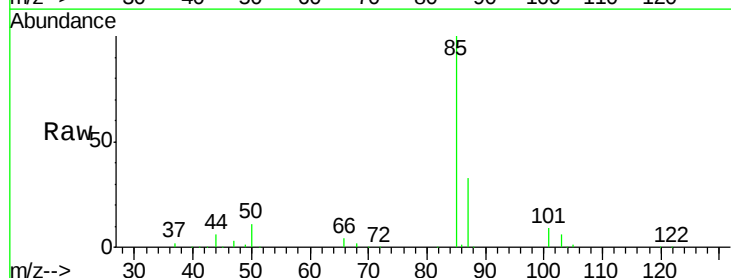
RT: 1.39 min Scan# 17

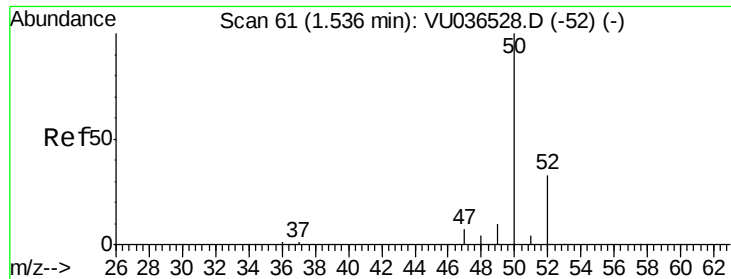
Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion:	85	Resp:	121609
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.2



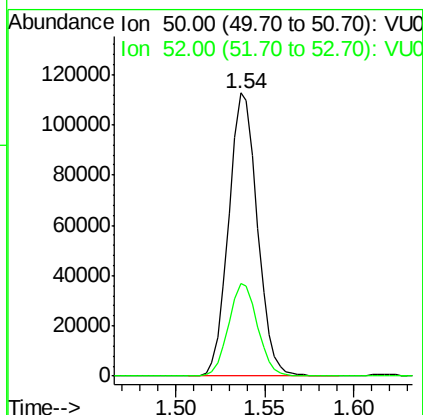
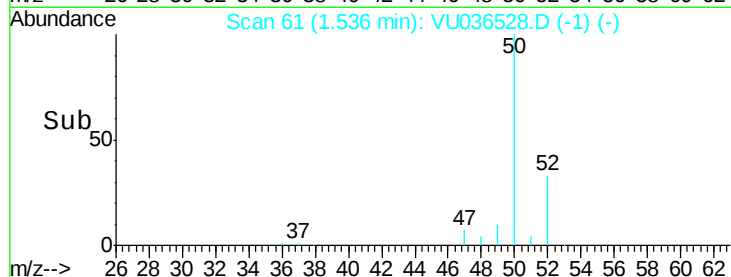
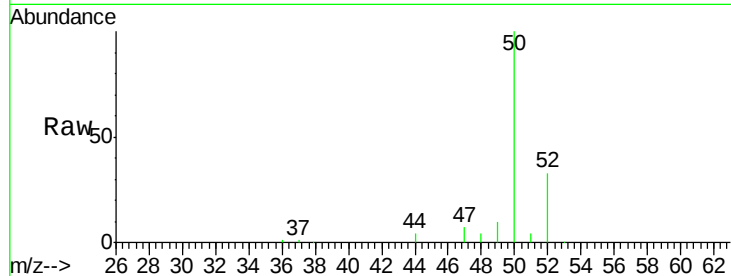


#3
Chloromethane
Concen: 9.226 ug/l
RT: 1.54 min Scan# 61
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

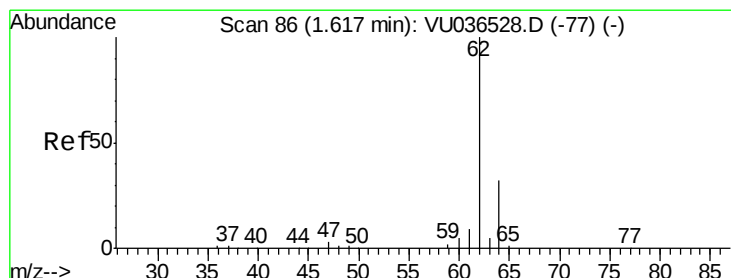
Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.0	39.0

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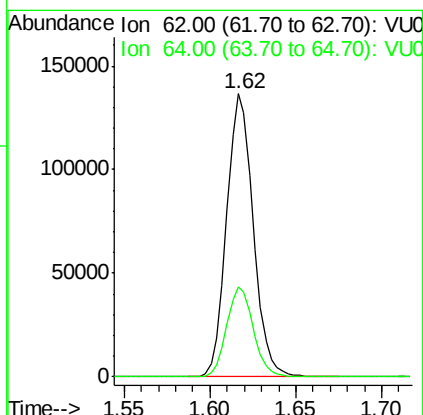
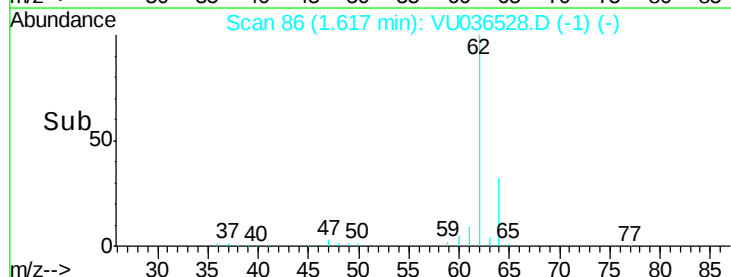
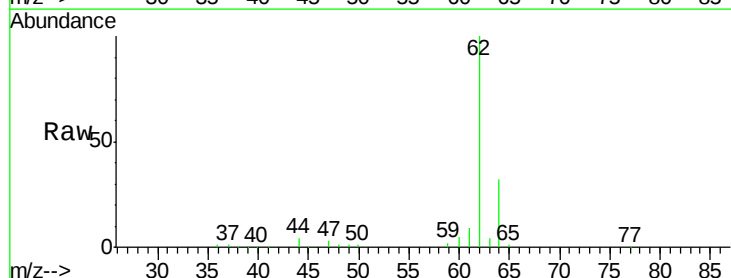
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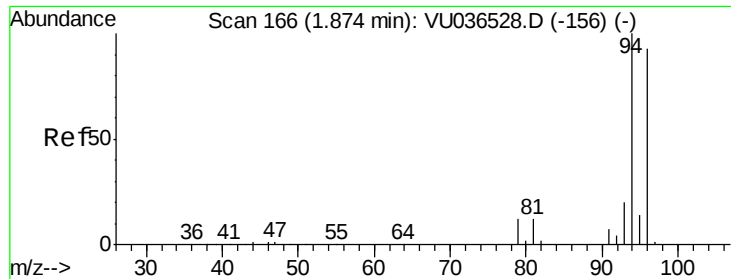
1/23/2020 3:21:50 PM



#4
Vinyl Chloride
Concen: 9.358 ug/l
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2





#5

Bromomethane

Concen: 9.767 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

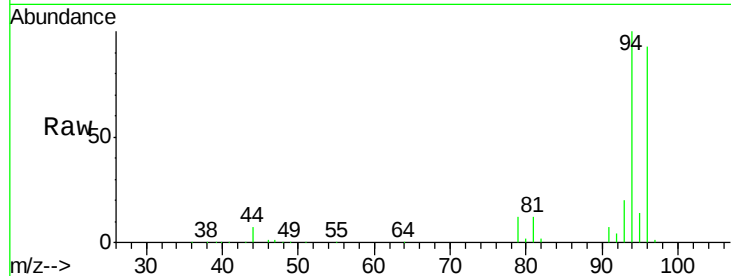
Tot Ion: 94 Resp: 81482

Ion Ratio Lower Upper

94 100

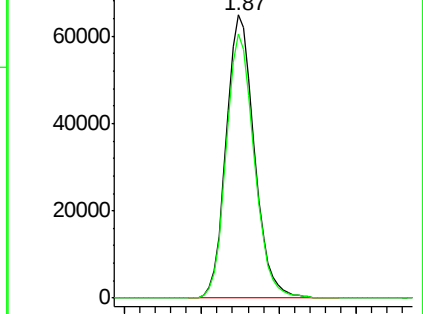
96 93.3 74.6 112.0

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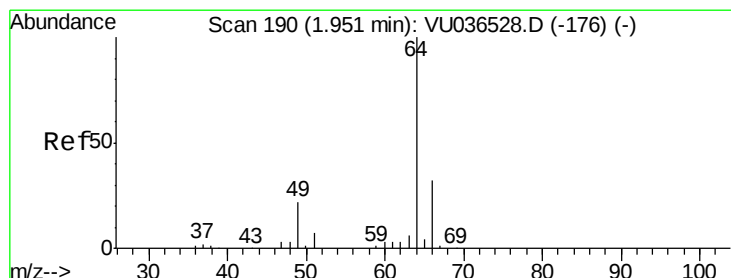
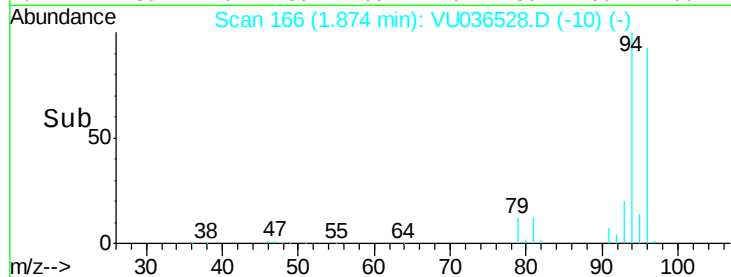
Abundance Ion 94.00 (93.70 to 94.70): VU036528.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036528.D (-156) (-)



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#6

Chloroethane

Concen: 8.539 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036528.D

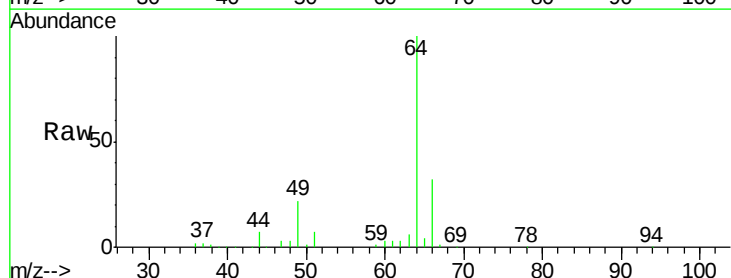
Acq: 22 Jan 2020 16:13

Tgt Ion: 64 Resp: 78303

Ion Ratio Lower Upper

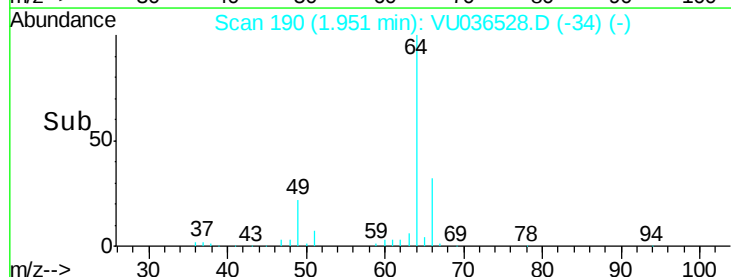
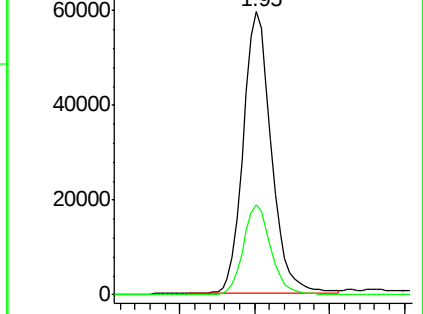
64 100

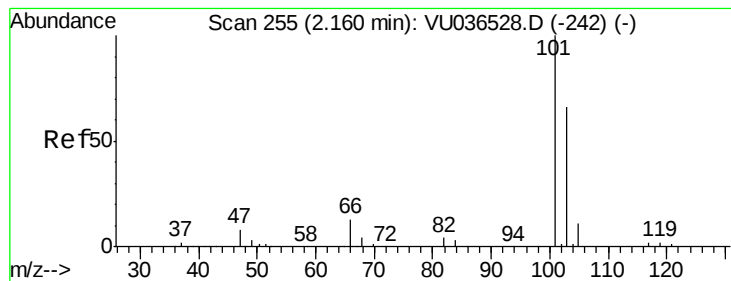
66 31.9 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU036528.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU036528.D (-176) (-)





#7

Trichlorofluoromethane

Concen: 7.827 ug/l

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

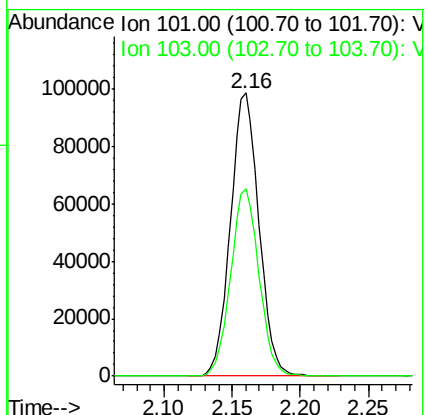
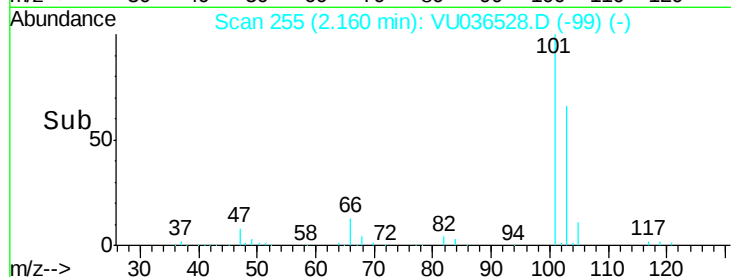
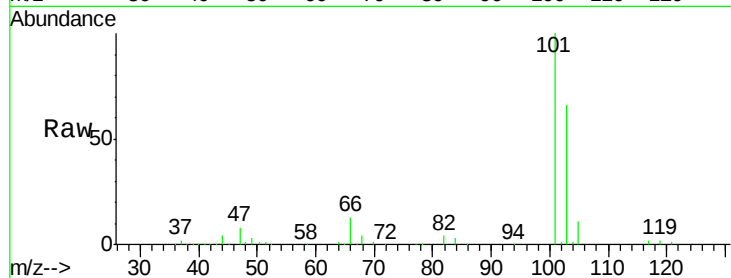
Tot Ion:101 Resp: 142814

Ion Ratio Lower Upper

101 100

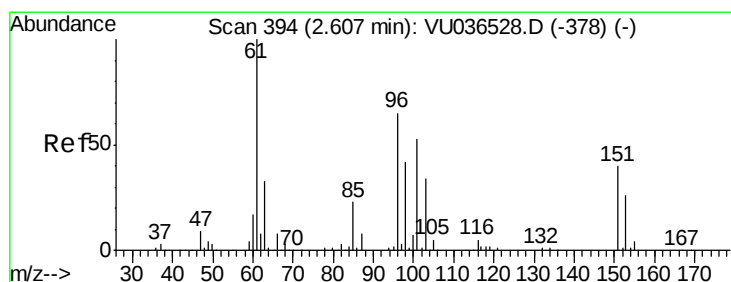
103 66.3 53.0 79.6

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#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.358 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

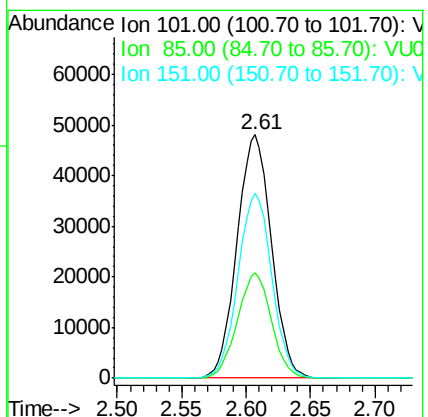
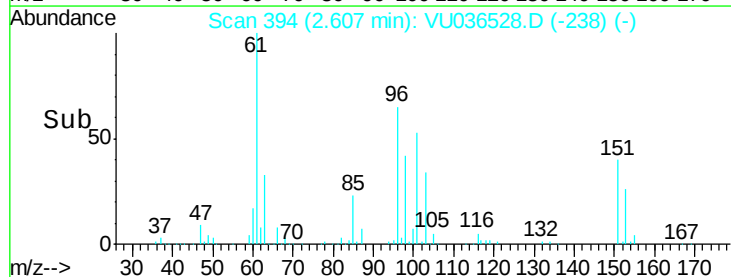
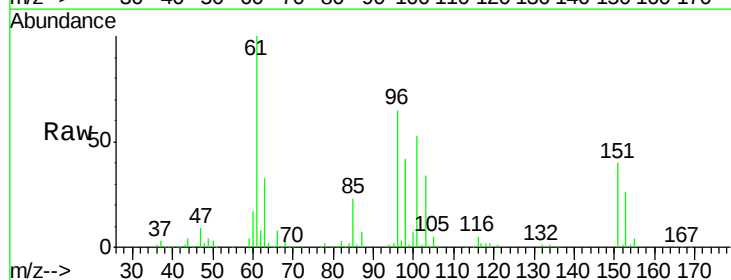
Tgt Ion:101 Resp: 89371

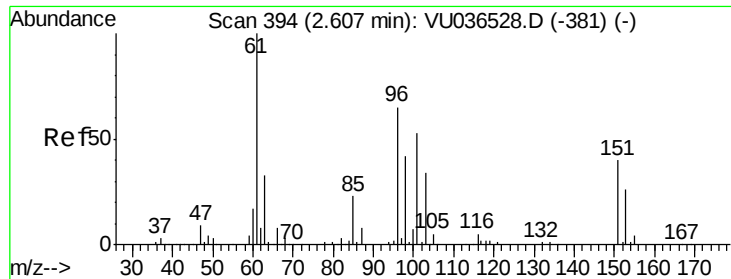
Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

151 74.8 59.8 89.8





#9

1,1-Dichloroethene

Concen: 9.683 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

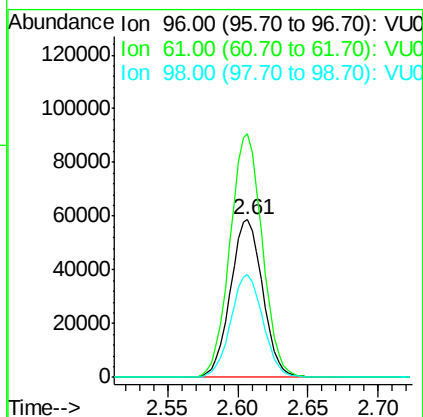
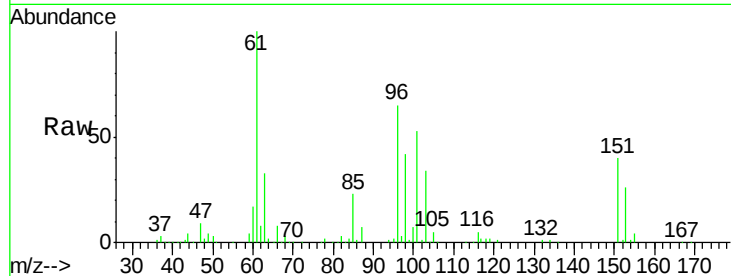
MSVOA_U

ClientSampleId :

VSTDICCC010

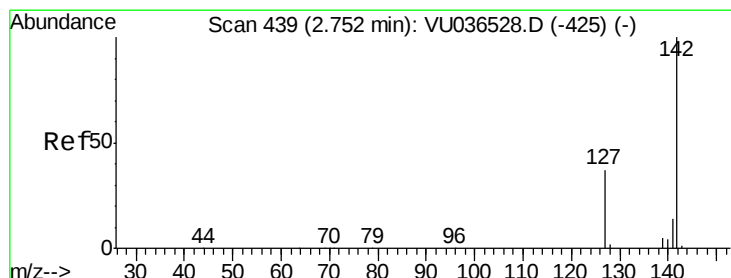
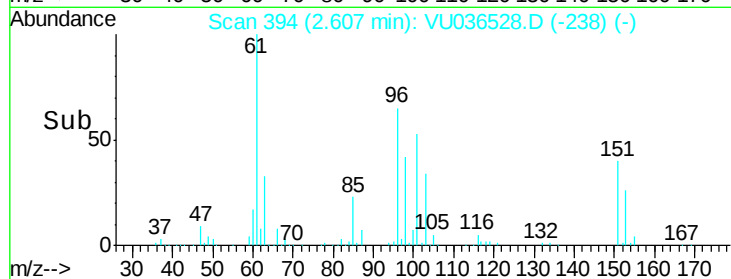
Tot Ion:	96	Resp:	94328
Ion Ratio	Lower	Upper	
96	100		
61	154.4	0.0	463.2
98	65.0	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 10.705 ug/l

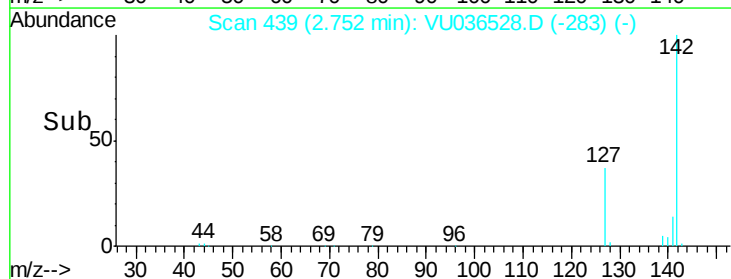
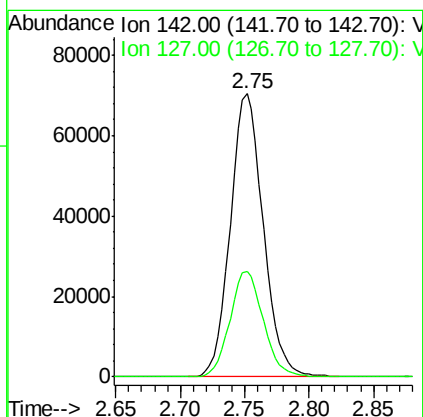
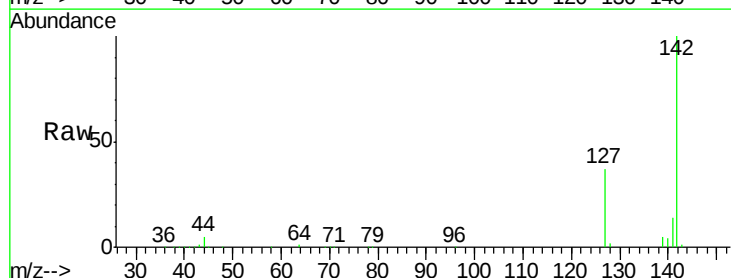
RT: 2.75 min Scan# 439

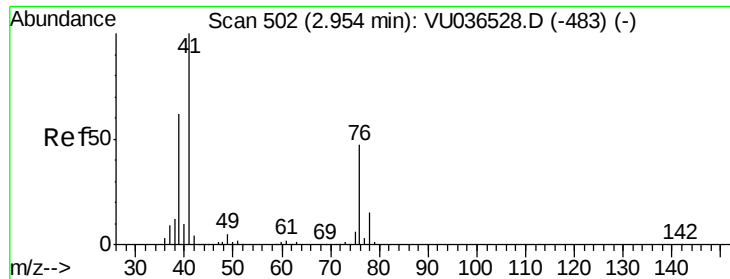
Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion:	142	Resp:	124874
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.3	45.5



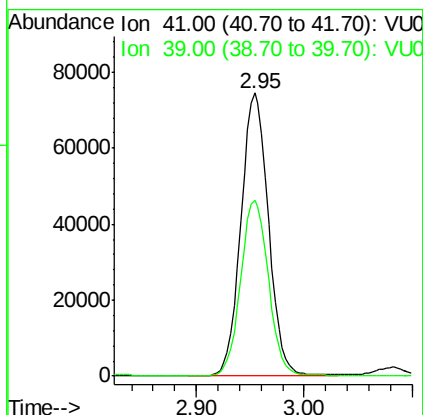
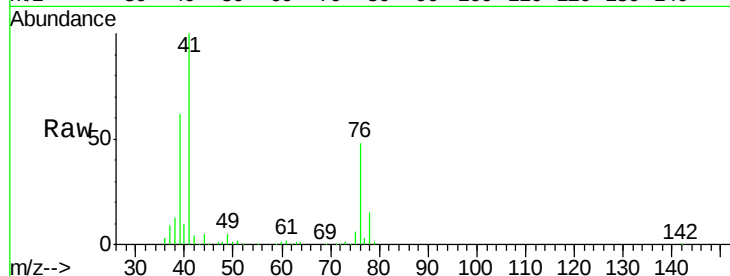


#11
Allvl Chloride
Concen: 6.898 ug/l
RT: 2.95 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

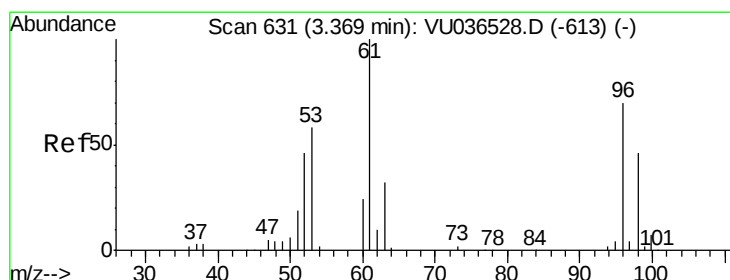
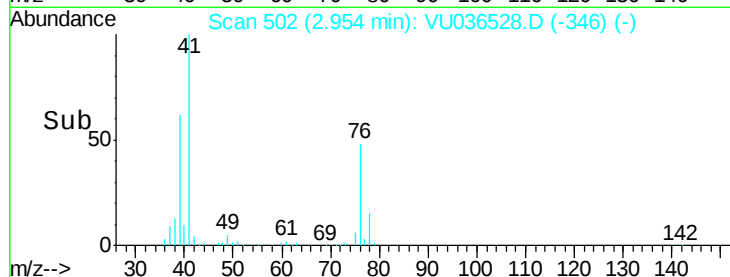
Tot Ion: 41 Resp: 131746
Ion Ratio Lower Upper
41 100
39 63.4 50.7 76.1

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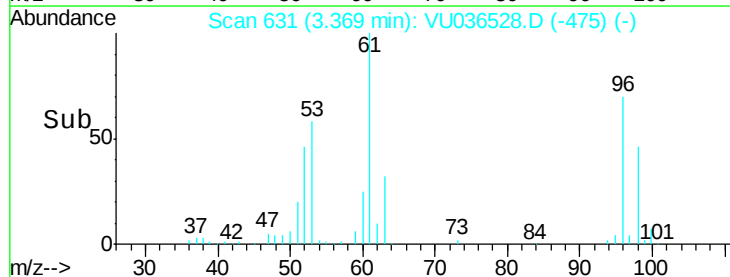
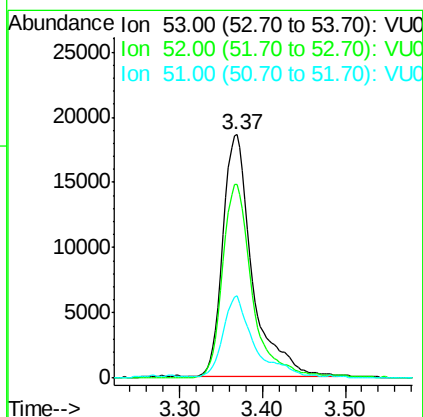
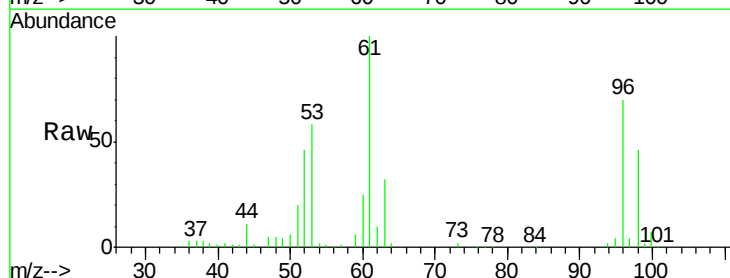
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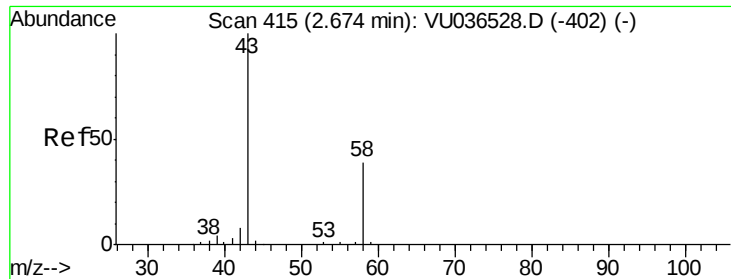
1/23/2020 3:21:50 PM



#12
Acrylonitrile
Concen: 16.799 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 53 Resp: 45909
Ion Ratio Lower Upper
53 100
52 80.8 64.6 97.0
51 34.0 27.2 40.8





#13

Acetone

Concen: 24.147 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 79131

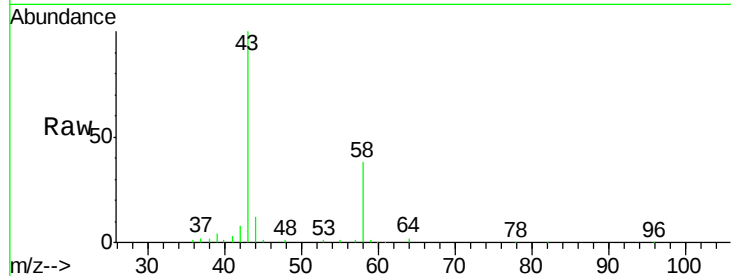
Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2

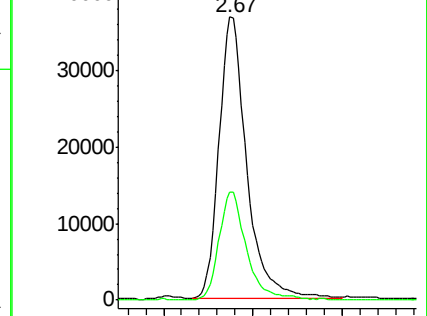
Manual Integrations

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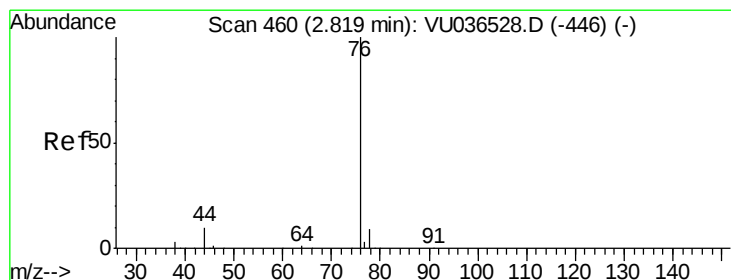
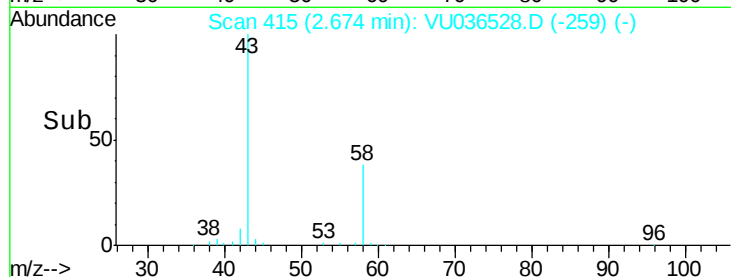
Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-402) (-)

Ion 58.00 (57.70 to 58.70): VU036528.D (-402) (-)



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#14

Carbon Disulfide

Concen: 9.078 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036528.D

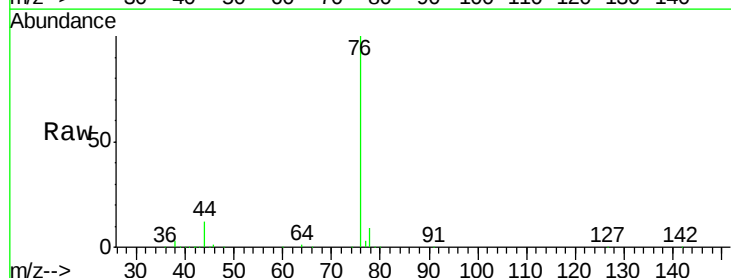
Acq: 22 Jan 2020 16:13

Tgt Ion: 76 Resp: 330238

Ion Ratio Lower Upper

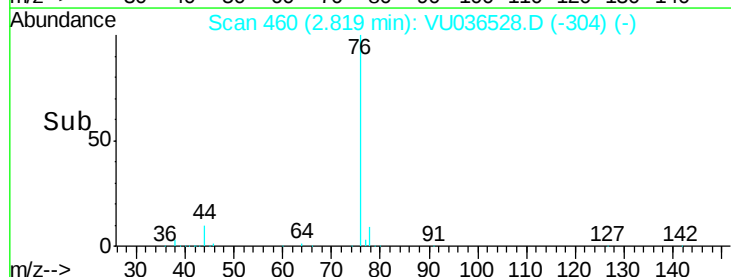
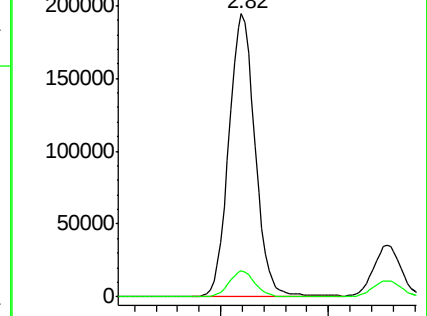
76 100

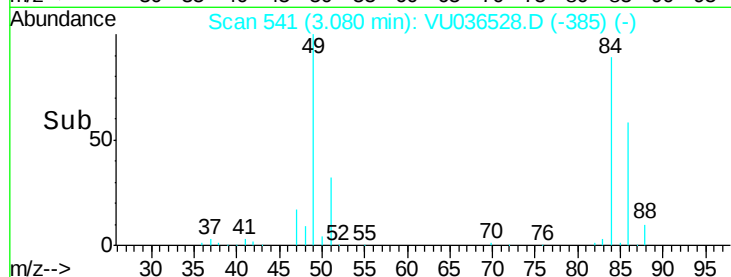
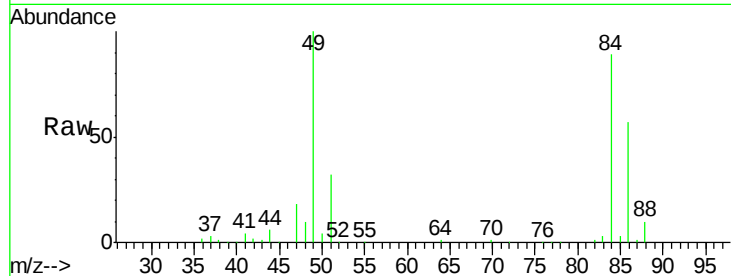
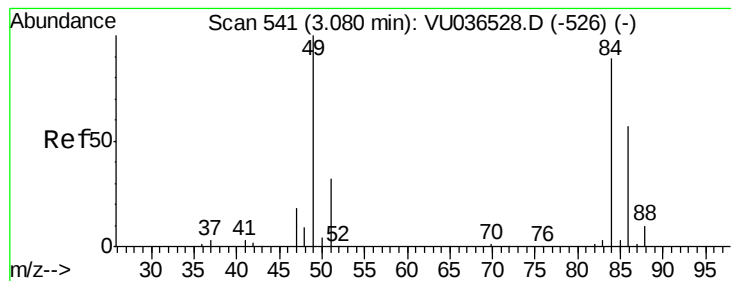
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036528.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036528.D (-446) (-)





#15

Methvlene Chloride

Concen: 8.418 ug/l

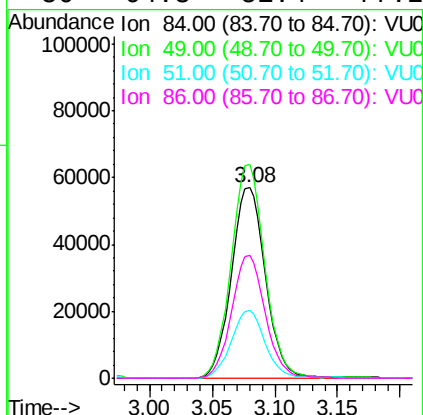
RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	112.1	89.7	134.5	
51	35.8	0.0	71.6	
86	64.3	51.4	77.2	



Instrument :

MSVOA_U

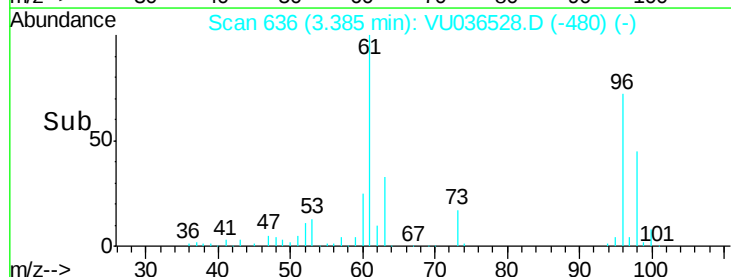
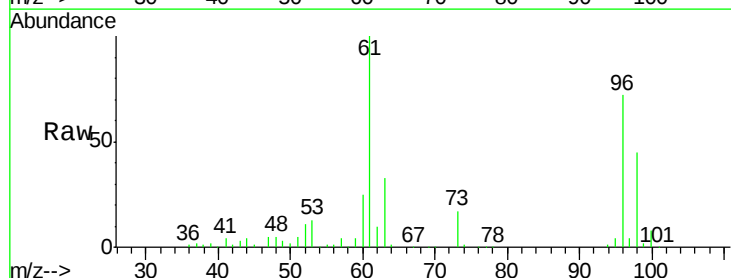
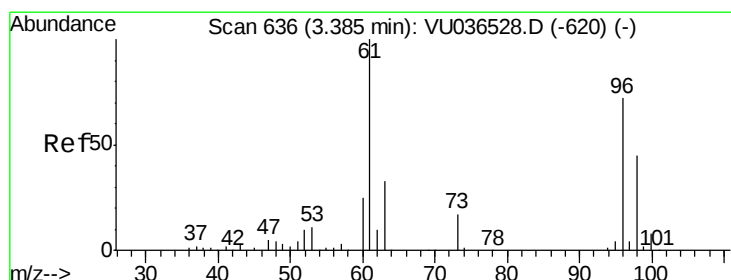
ClientSampleId :

VSTDICCC010

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#16

trans-1,2-Dichloroethene

Concen: 9.616 ug/l

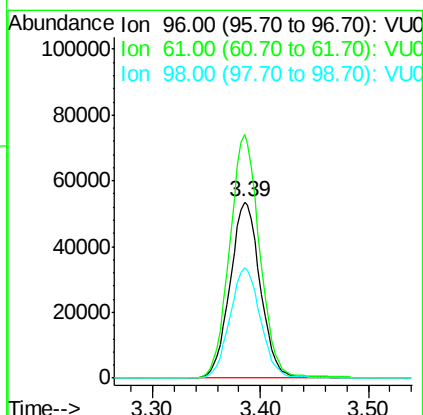
RT: 3.39 min Scan# 636

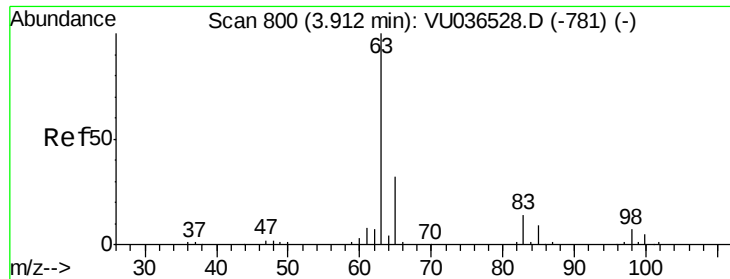
Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	138.5	110.8	166.2	
98	62.9	50.3	75.5	



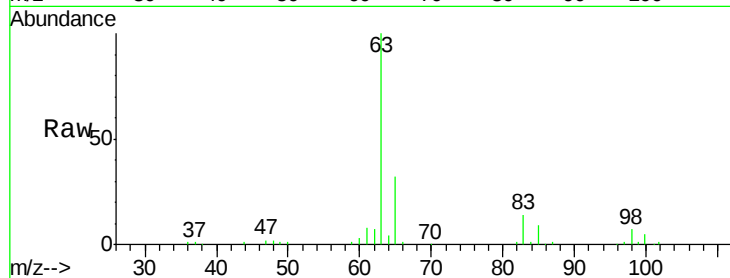


#17
 1,1-Dichloroethane
 Concen: 8.846 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

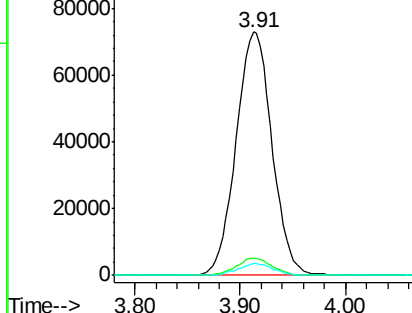
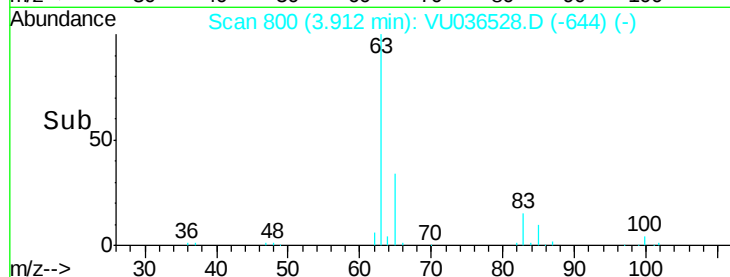
Tot Ion:	63	Resp:	172252
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.5	10.5
100	4.7	2.4	7.1

Manual Integrations
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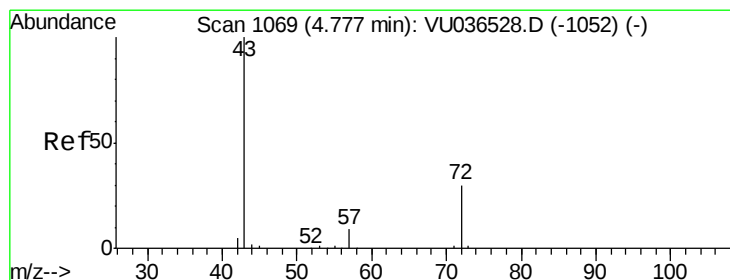


Abundance Ion 63.00 (62.70 to 63.70): VU036528.D (-781) (-)
 Ion 98.00 (97.70 to 98.70): VU036528.D (-781) (-)
 Ion 100.00 (99.70 to 100.70): VU036528.D (-781) (-)

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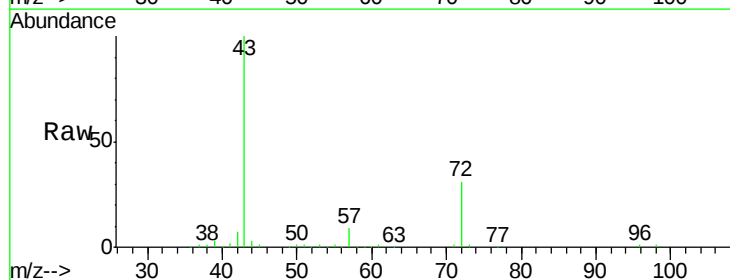


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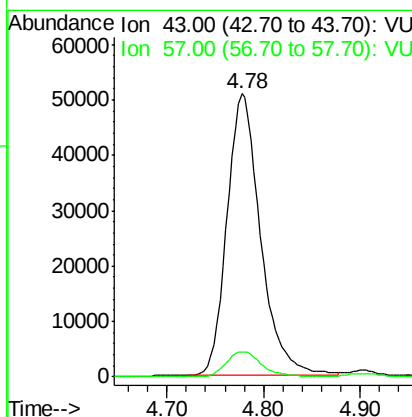
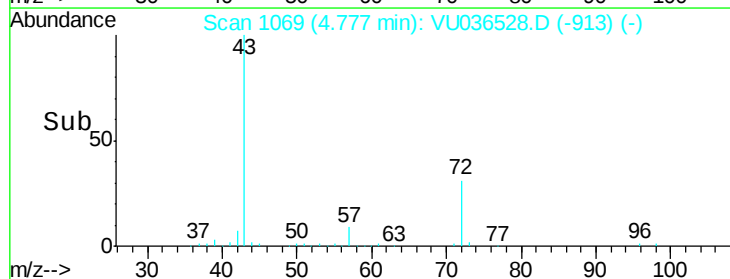


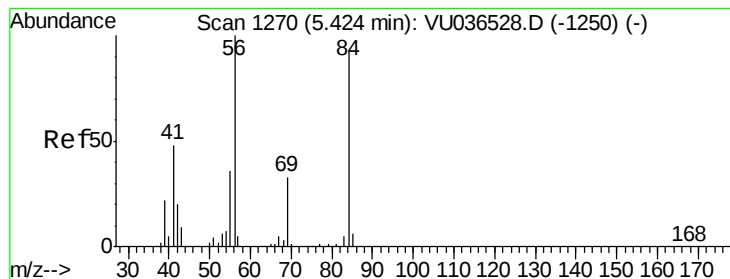
#18
 2-Butanone
 Concen: 34.818 ug/l
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion:	43	Resp:	122885
Ion Ratio	Lower	Upper	
43	100		
57	8.9	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-1052) (-)
 Ion 57.00 (56.70 to 57.70): VU036528.D (-1052) (-)





#19

Cyclohexane

Concen: 8.348 ug/l m

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 56 Resp: 157959

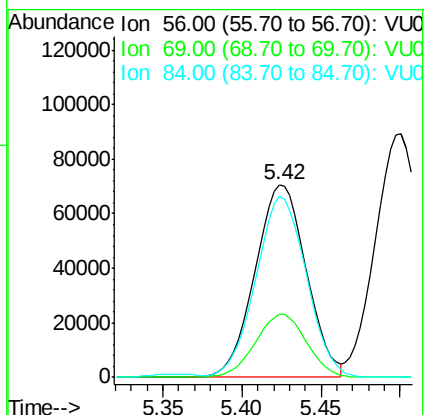
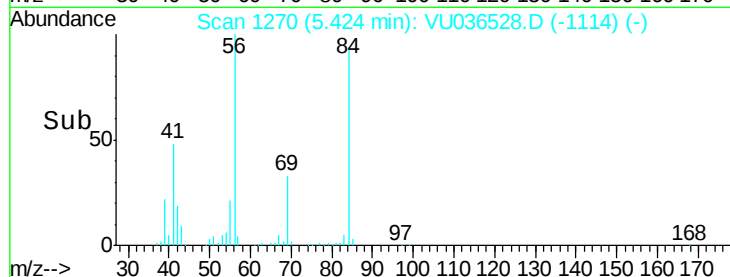
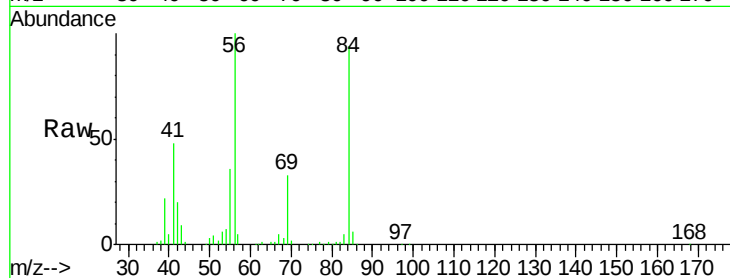
Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

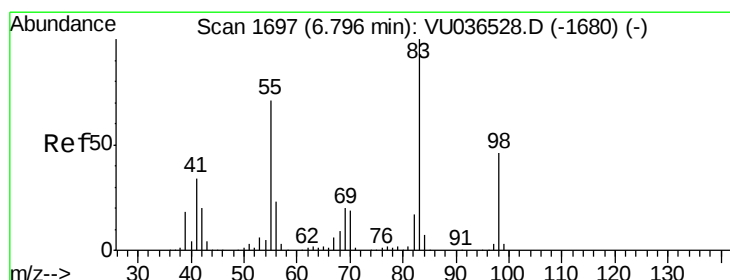
84 91.0 72.8 109.2

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#20

Methylcyclohexane

Concen: 9.541 ug/l

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

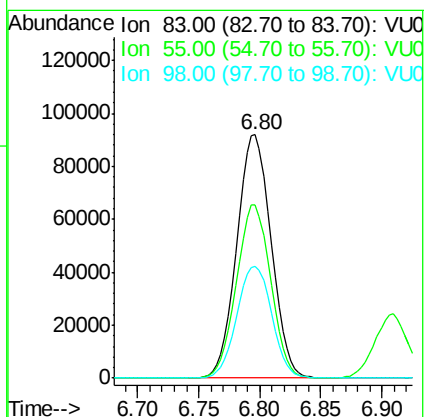
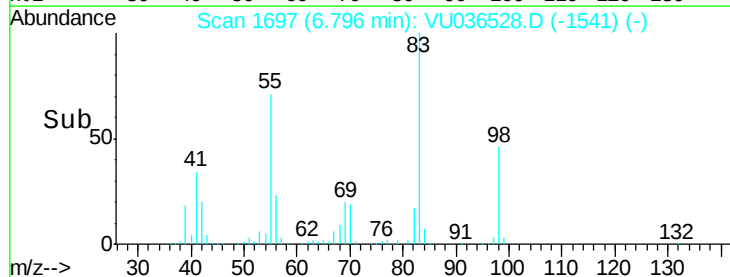
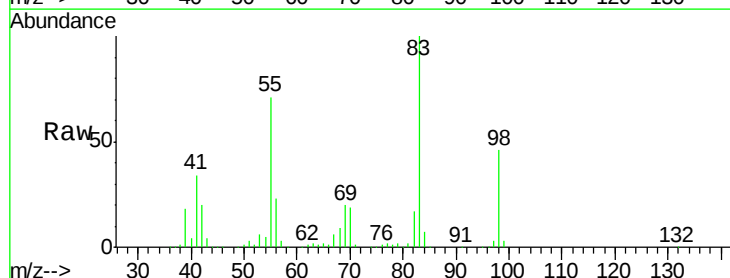
Tgt Ion: 83 Resp: 179049

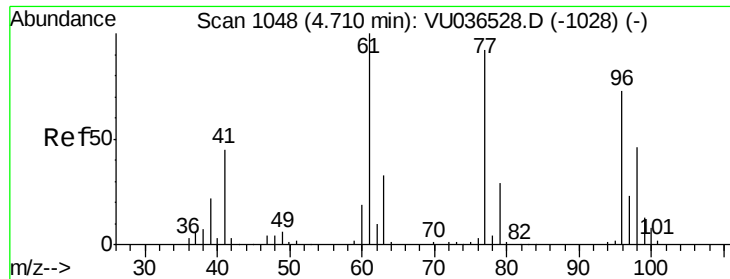
Ion Ratio Lower Upper

83 100

55 70.8 56.6 85.0

98 46.9 37.5 56.3



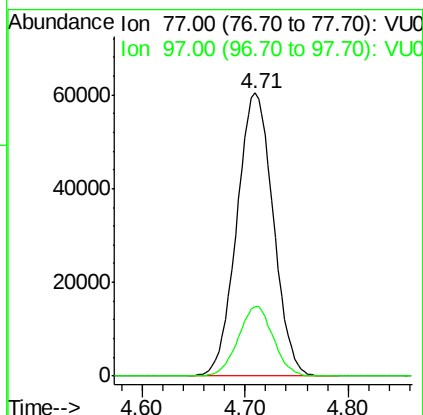
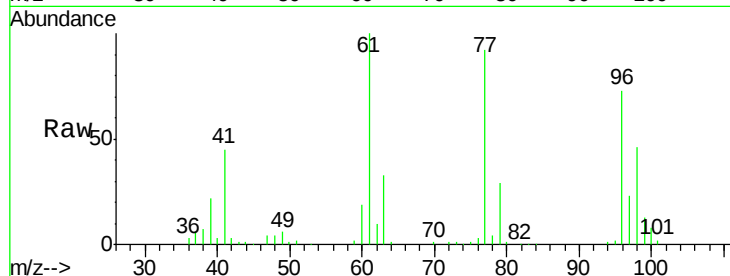


#21
 2,2-Dichloropropane
 Concen: 8.414 ug/l
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

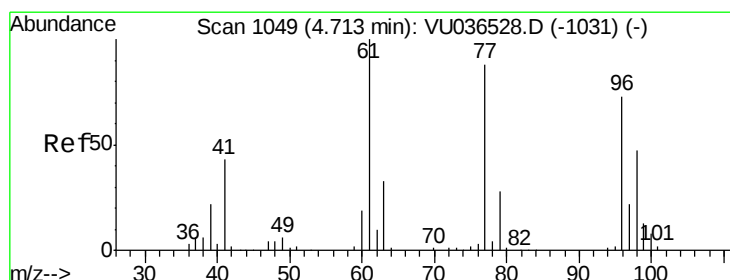
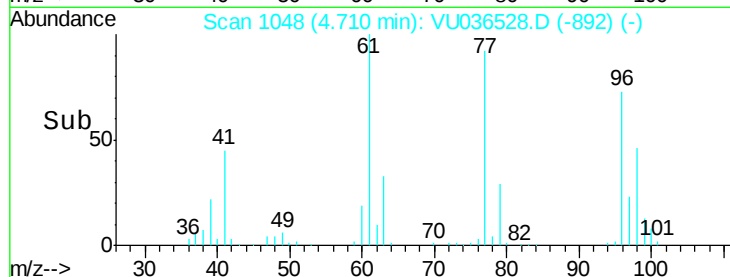
Tot Ion: 77 Resp: 148151
 Ion Ratio Lower Upper
 77 100
 97 23.7 19.0 28.4

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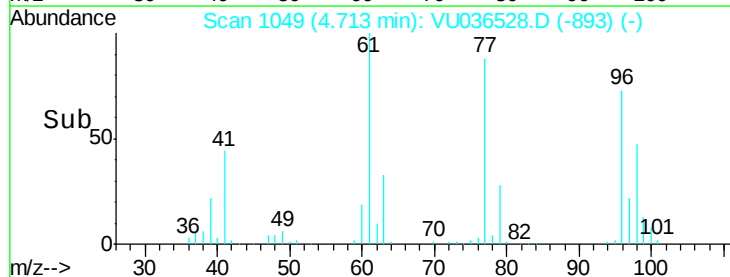
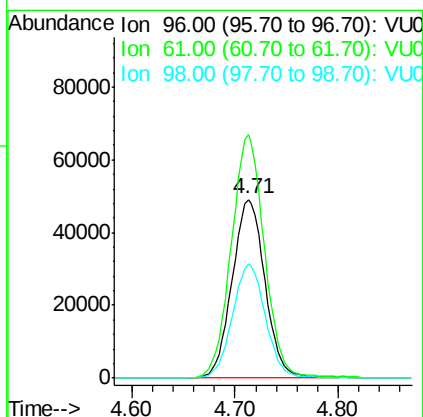
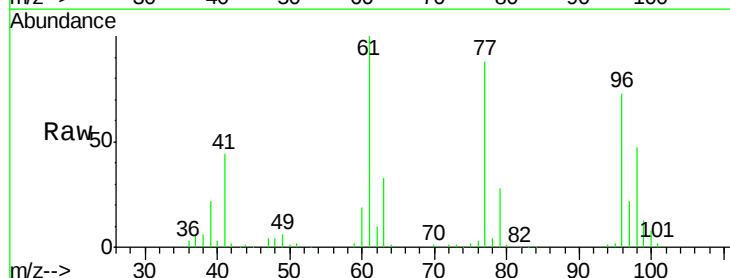
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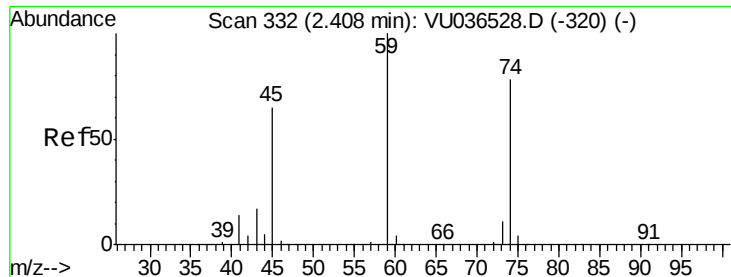
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#22
 cis-1,2-Dichloroethene
 Concen: 9.887 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 96 Resp: 109144
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 342.0
 98 64.0 32.0 96.0



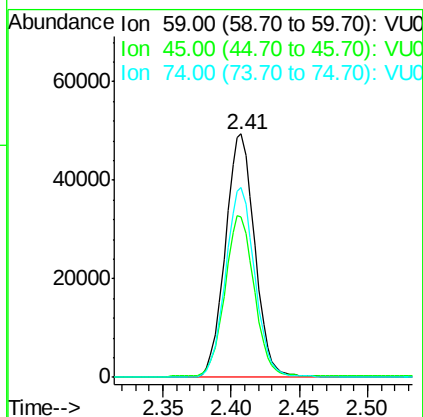
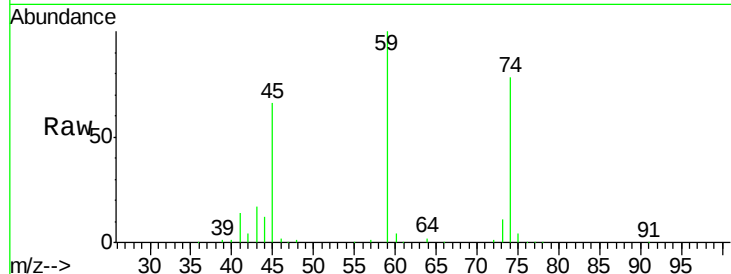


#23
Diethyl Ether
Concen: 8.733 ug/l
RT: 2.41 min Scan# 332
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

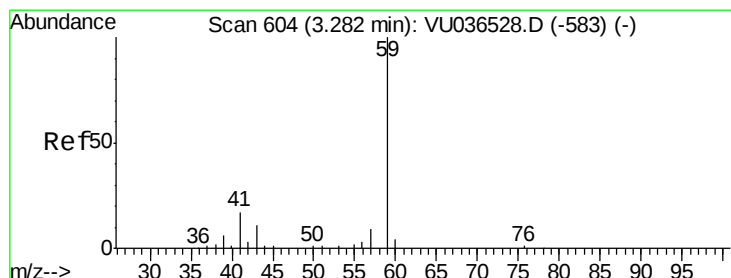
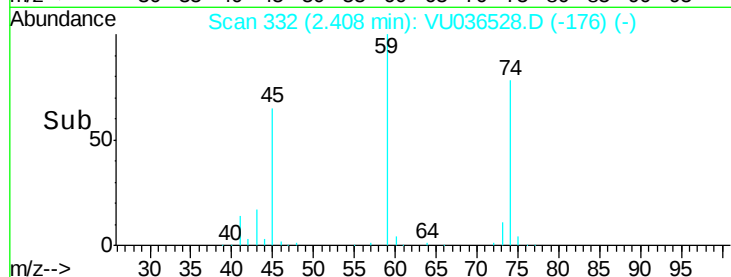
Tot Ion	Ratio	Lower	Upper
59	100		
45	65.5	52.4	78.6
74	77.6	62.1	93.1

Manual Integrations
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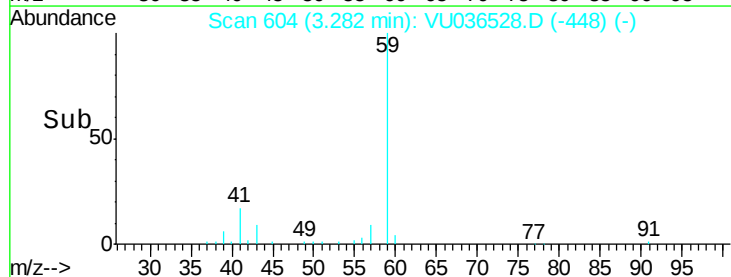
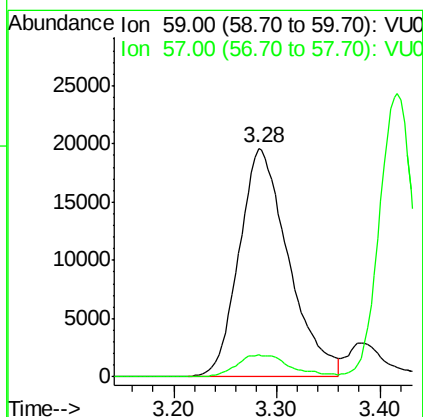
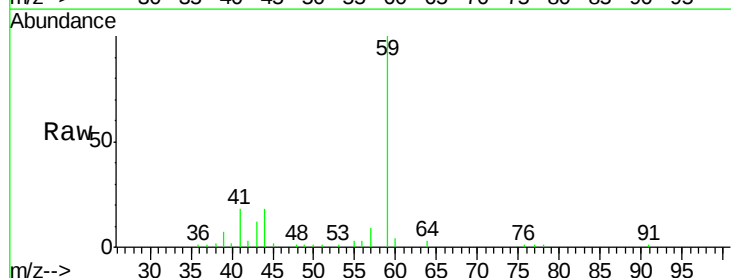
apatel

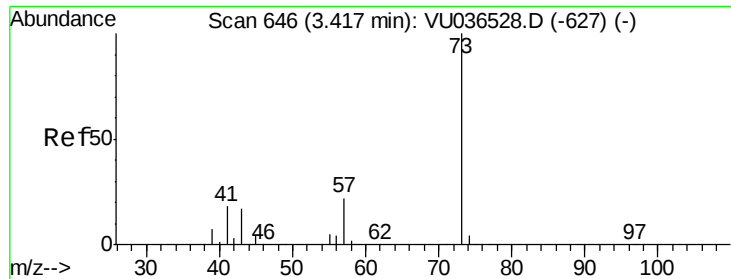
1/23/2020 3:21:50 PM



#24
tert-Butyl Alcohol
Concen: 74.181 ug/l
RT: 3.28 min Scan# 604
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6



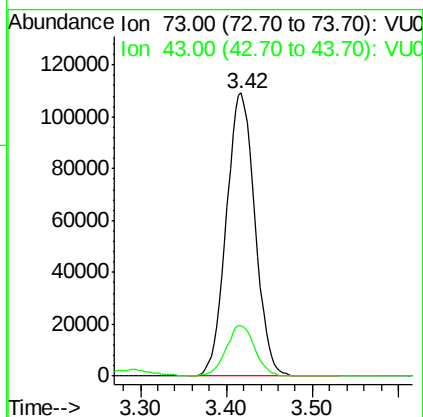
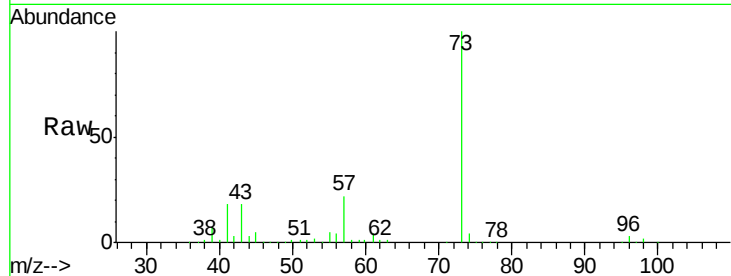


#25
Methvl tert-Butvl Ether
Concen: 8.453 ug/l
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

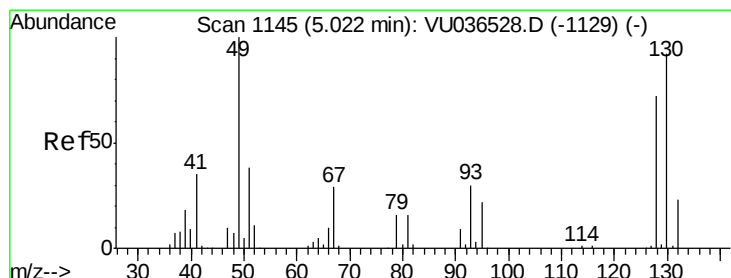
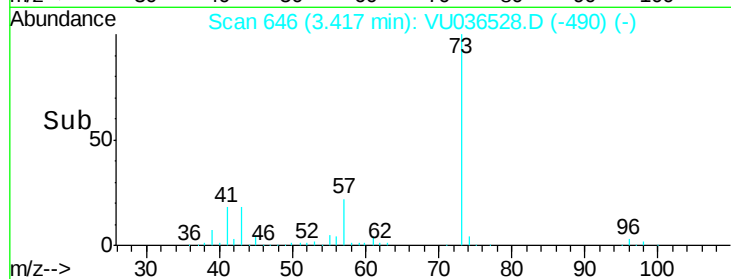
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.1	14.5	21.7

Manual Integrations
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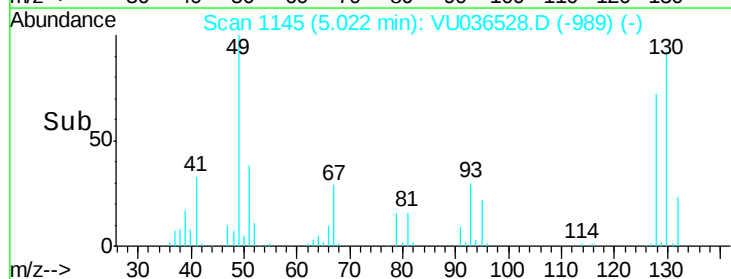
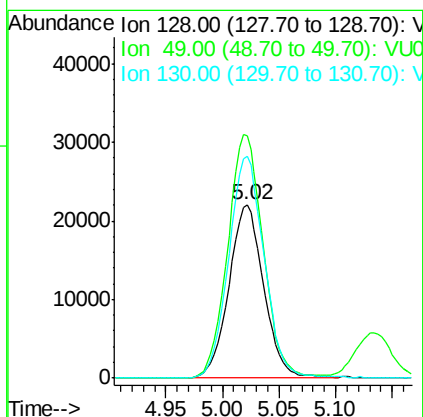
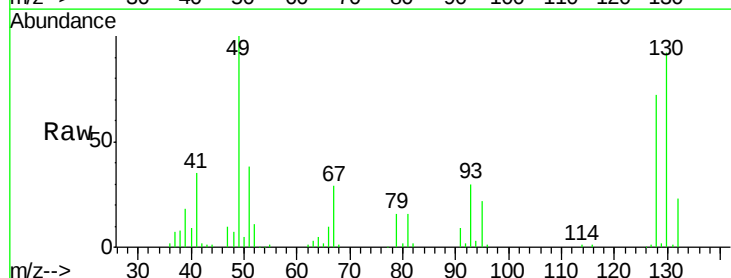
apatel

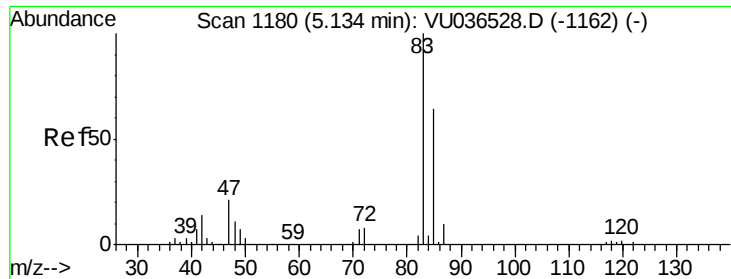
1/23/2020 3:21:50 PM



#26
Bromochloromethane
Concen: 10.673 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
128	100		
49	143.1	0.0	286.2
130	130.4	104.3	156.5



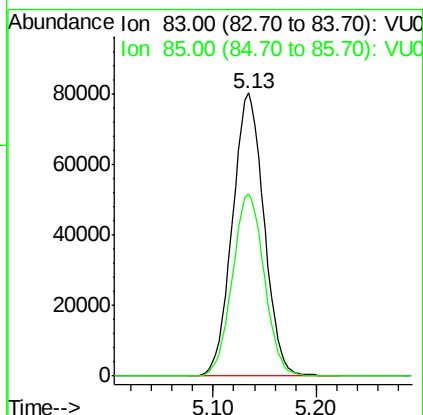
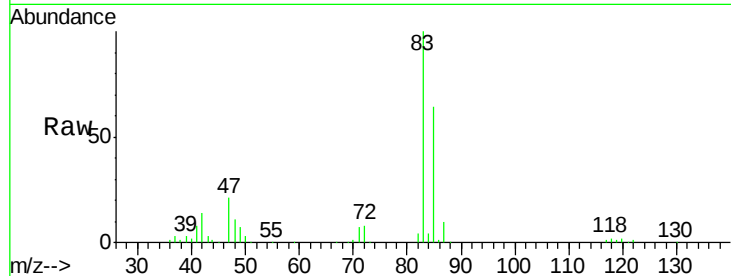


#27
Chloroform
Concen: 8.824 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

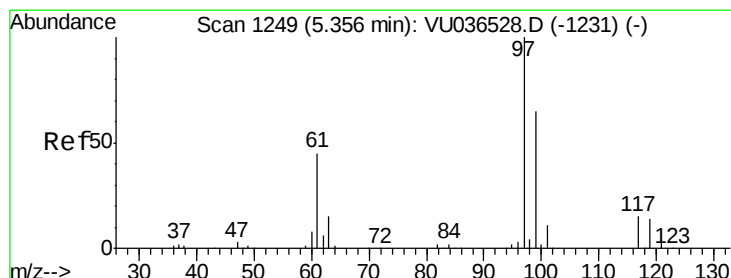
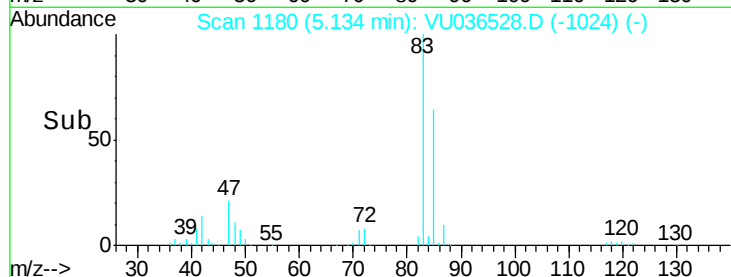
Tot Ion	83	Resp	171059
Ion Ratio	100	Lower	Upper
85	64.5	0.0	129.0

Manual Integrations
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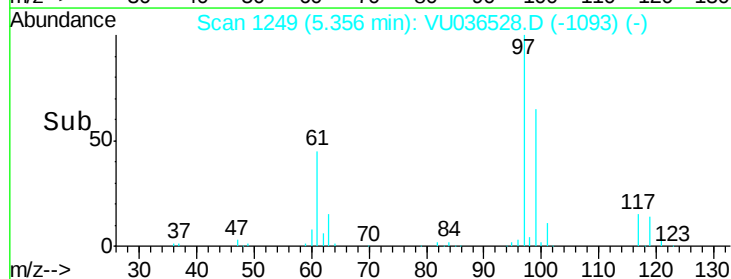
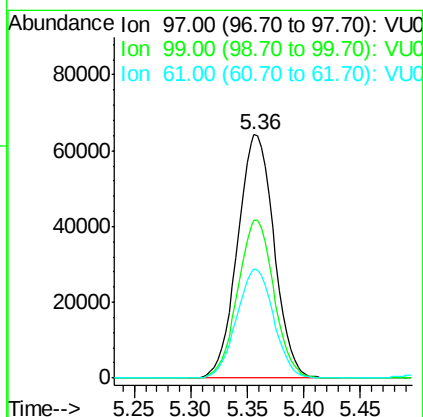
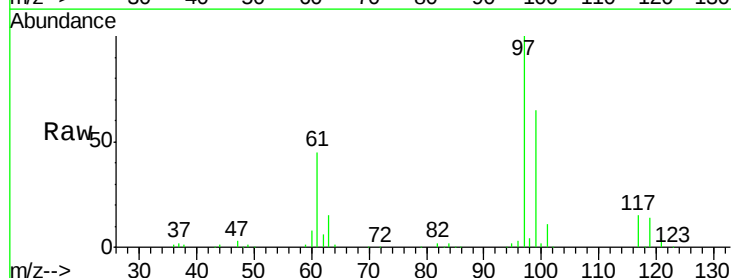
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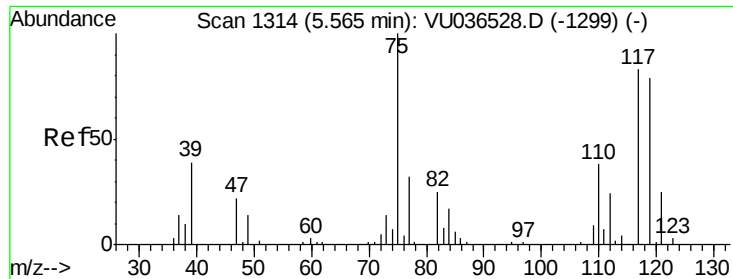
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#28
1,1,1-Trichloroethane
Concen: 8.399 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	97	Resp	144159
Ion Ratio	100	Lower	Upper
99	64.2	32.1	96.3
61	45.3	22.7	68.0





#29

1,1-Dichloropropene

Concen: 8.916 ug/l

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

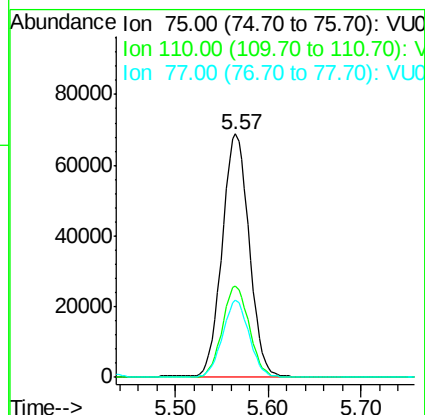
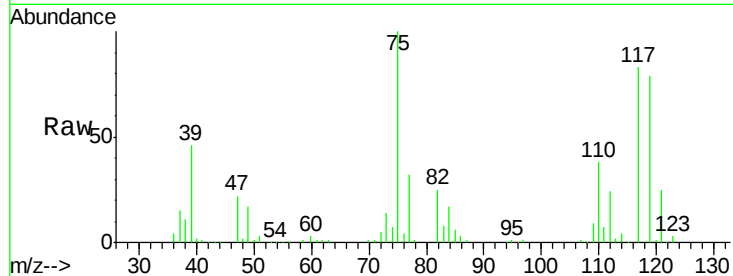
MSVOA_U

ClientSampleId :

VSTDICCC010

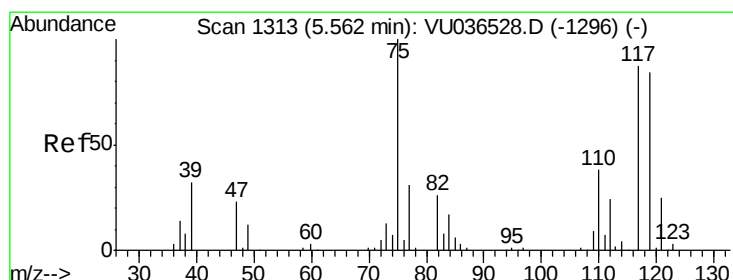
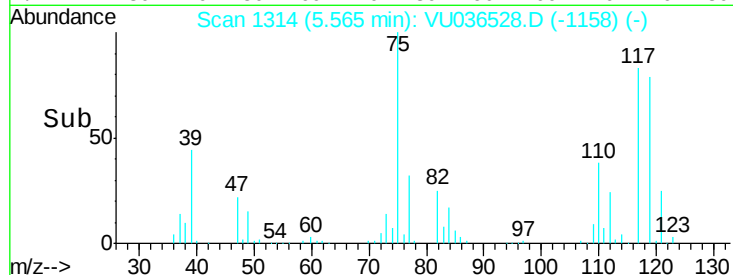
Tot Ion:	75	Resp:	139821
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.6	55.8
77	31.2	25.0	37.4

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 8.589 ug/l

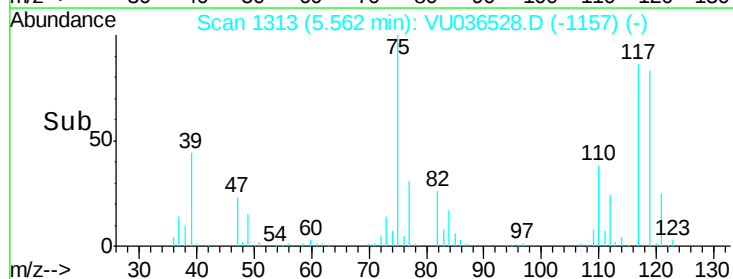
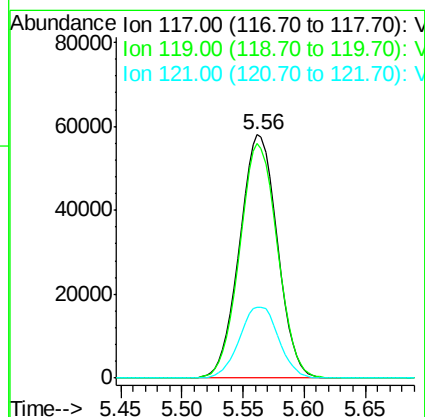
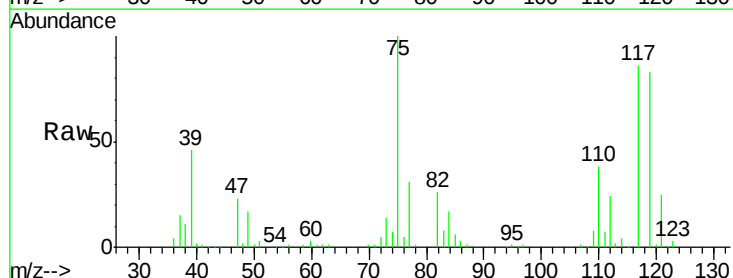
RT: 5.56 min Scan# 1313

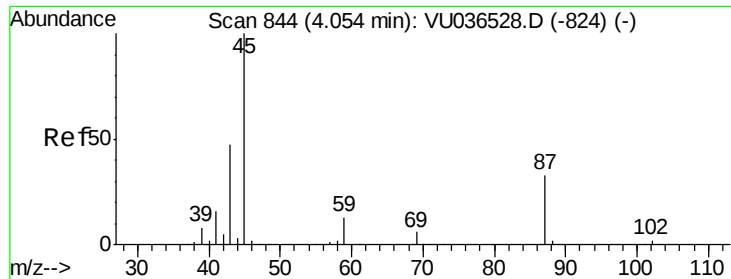
Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion:	117	Resp:	123985
Ion Ratio	Lower	Upper	
117	100		
119	96.3	77.0	115.6
121	29.1	23.3	34.9





#31

Isopropyl Ether

Concen: 8.000 ug/l

RT: 4.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

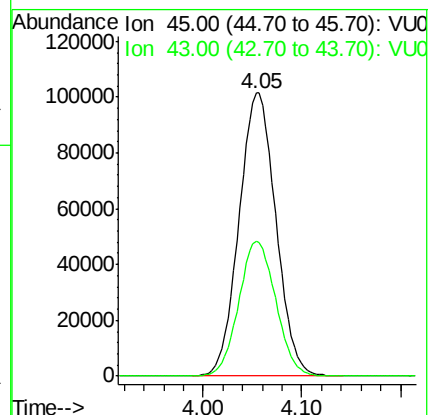
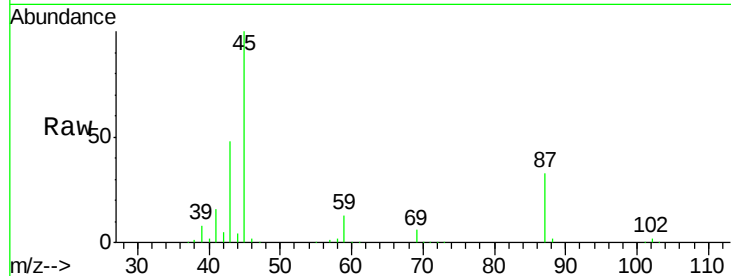
Tot Ion: 45 Resp: 262107

Ion Ratio Lower Upper

45 100

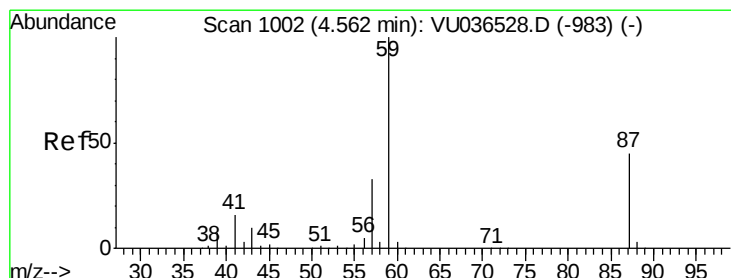
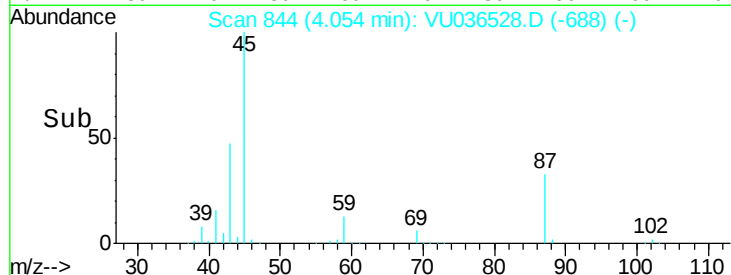
43 48.0 24.0 72.0

Manual Integrations
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#32

Ethyl-t-butyl ether

Concen: 8.607 ug/l

RT: 4.56 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VU036528.D

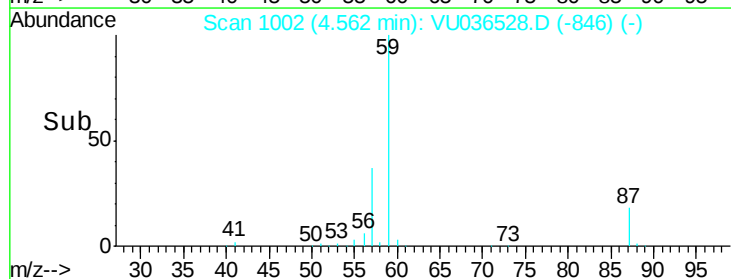
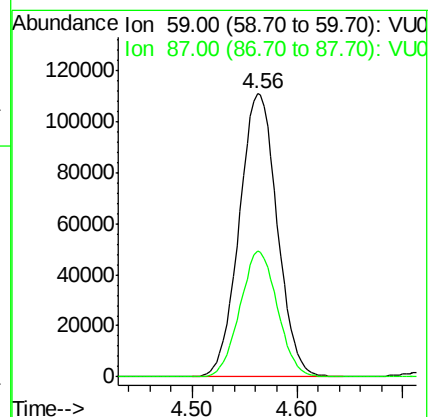
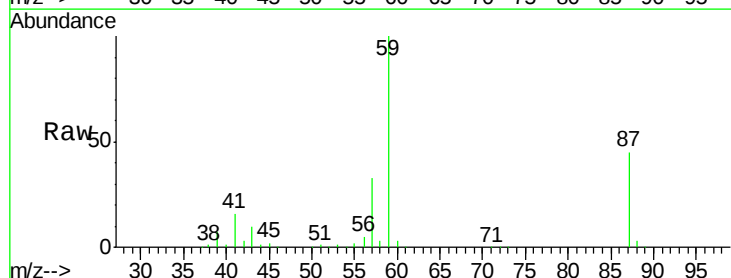
Acq: 22 Jan 2020 16:13

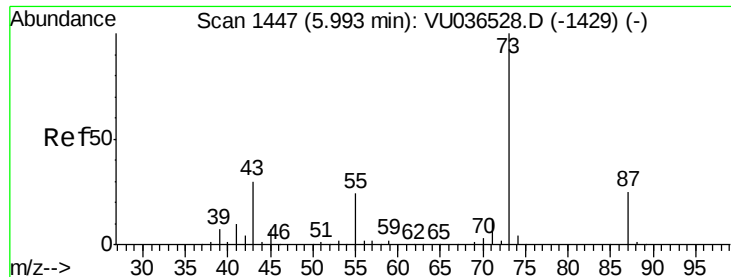
Tgt Ion: 59 Resp: 275863

Ion Ratio Lower Upper

59 100

87 43.9 35.1 52.7



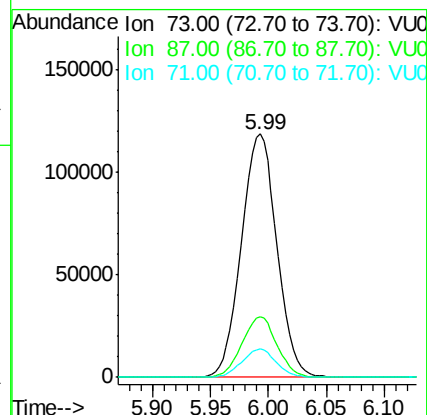
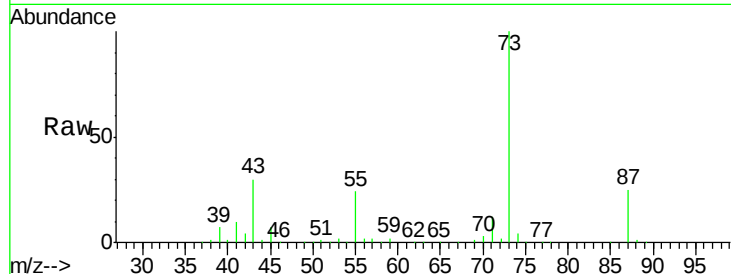


#33
Tert-Butyl methyl ether
Concen: 8.598 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

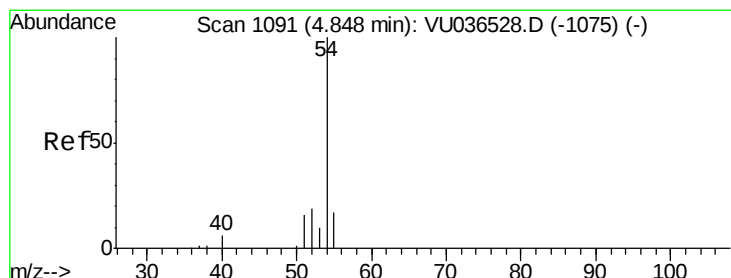
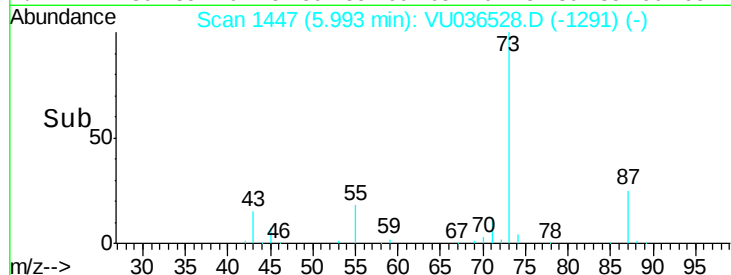
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.7	19.8	29.6
71	11.4	9.1	13.7

Manual Integrations
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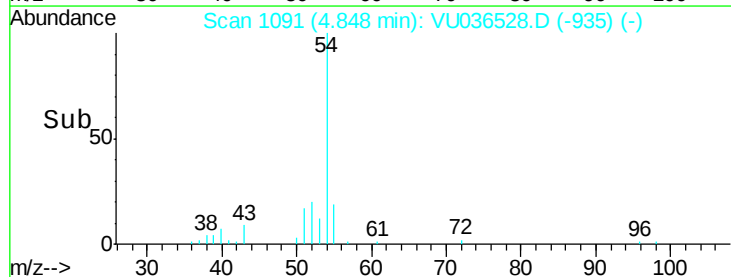
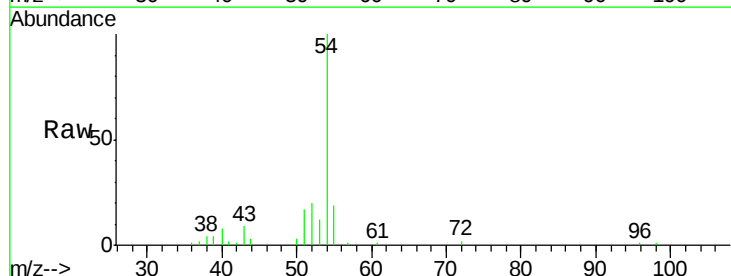
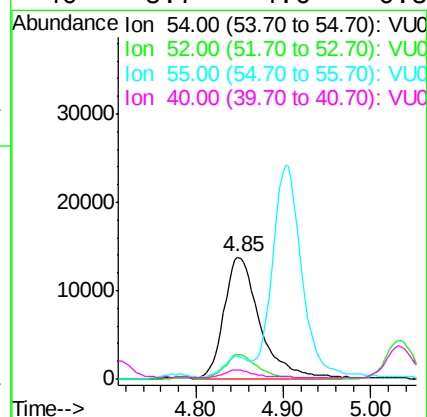
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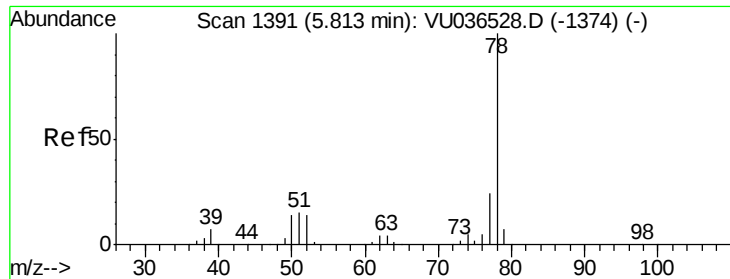
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#34
Propionitrile
Concen: 45.123 ug/l
RT: 4.85 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.0	15.2	22.8
55	11.9	9.5	14.3
40	5.7	4.6	6.8





#35

Benzene

Concen: 9.177 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

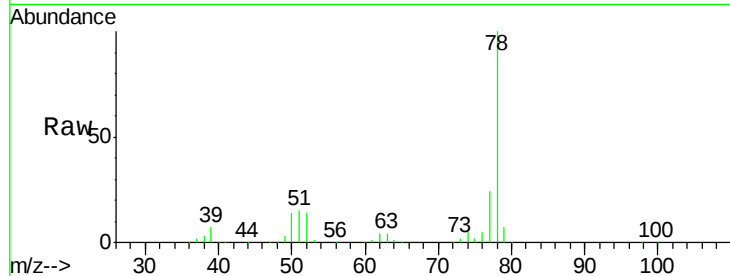
Tot Ion: 78 Resp: 402420

Ion Ratio Lower Upper

78 100

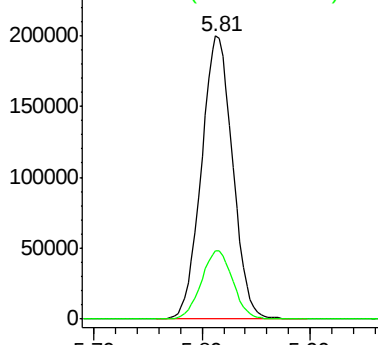
77 24.2 19.4 29.0

Manual Integrations
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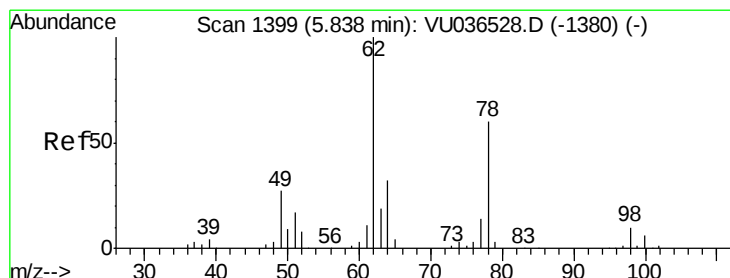
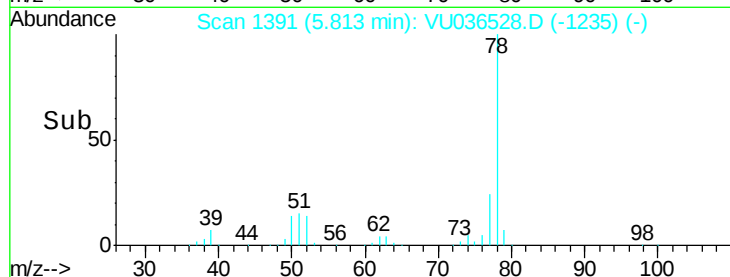
Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



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#36

1,2-Dichloroethane

Concen: 7.847 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. 0.00 min

Lab File: VU036528.D

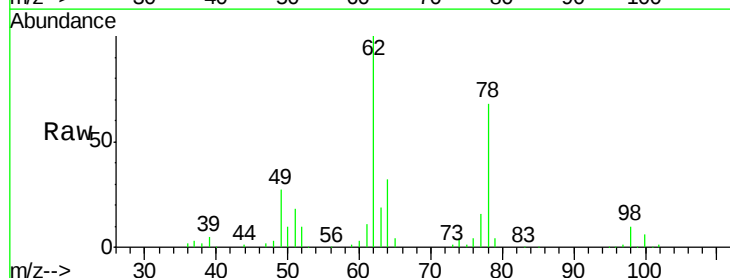
Acq: 22 Jan 2020 16:13

Tgt Ion: 62 Resp: 110213

Ion Ratio Lower Upper

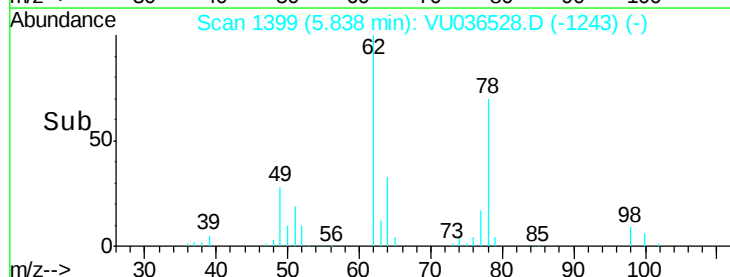
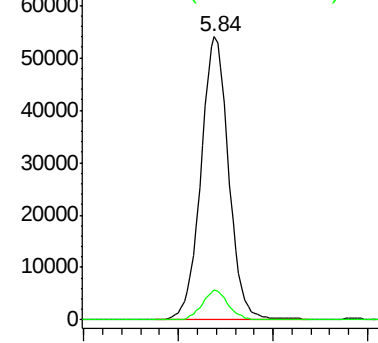
62 100

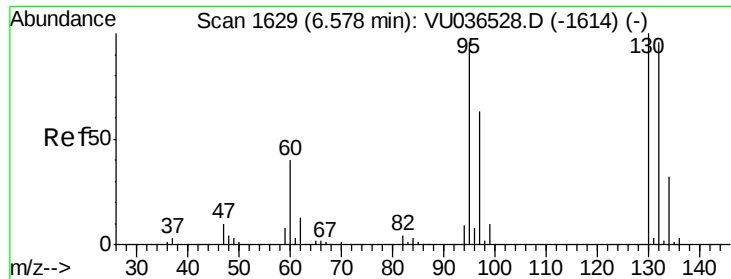
98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



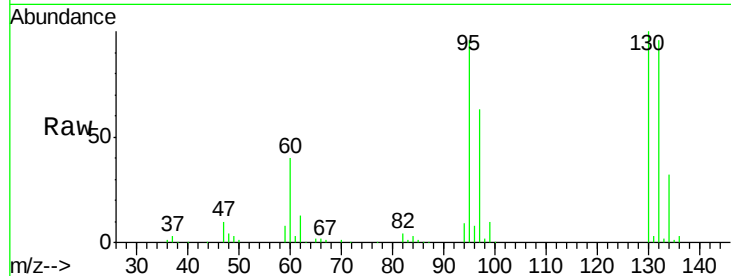


#37
 Trichloroethene
 Concen: 10.498 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

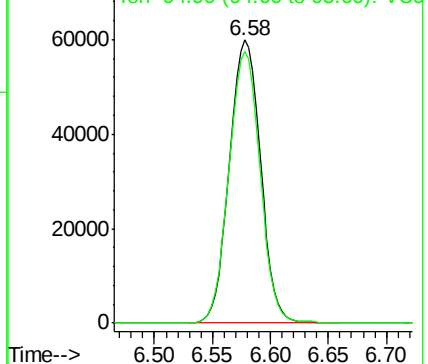
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 111781
 Ion Ratio Lower Upper
 130 100
 95 96.2 77.0 115.4

Manual Integrations
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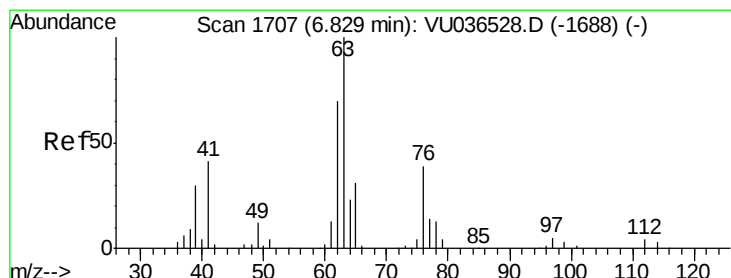
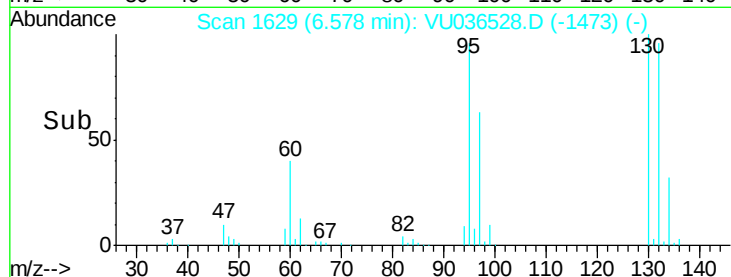


Abundance Ion 129.90 (129.60 to 130.60): VU036528.D (-1614) (-)
 Ion 94.90 (94.60 to 95.60): VU036528.D (-1614) (-)



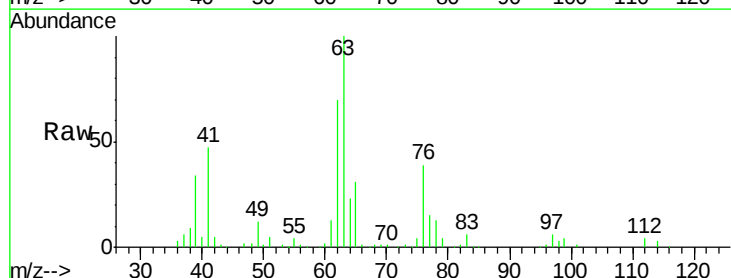
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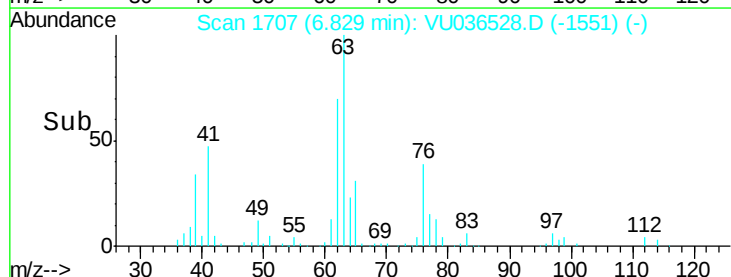
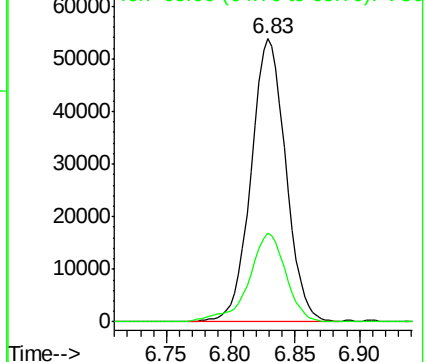


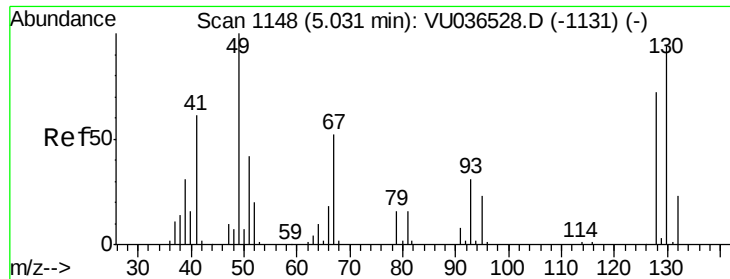
#38
 1,2-Dichloropropane
 Concen: 8.790 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 63 Resp: 101213
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU036528.D (-1688) (-)
 Ion 65.00 (64.70 to 65.70): VU036528.D (-1688) (-)



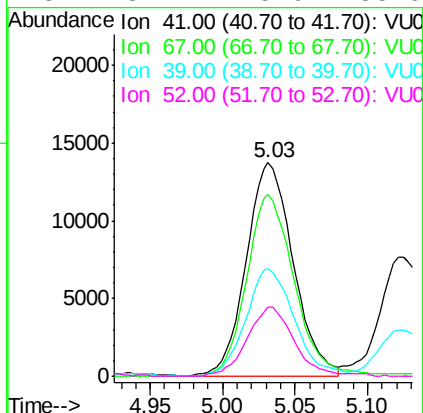
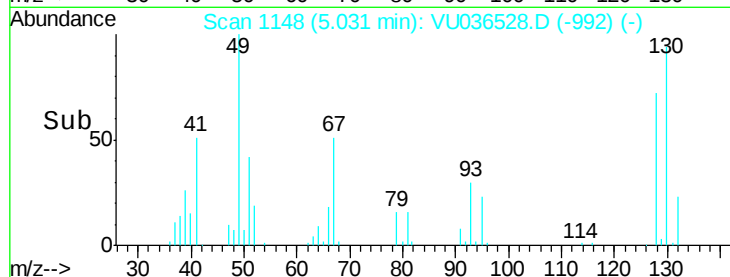
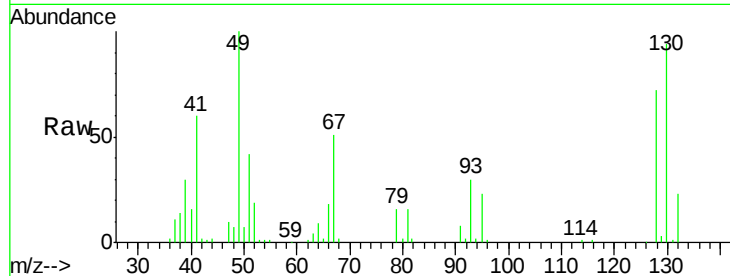


#39
Methacrylonitrile
Concen: 7.432 ug/l
RT: 5.03 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

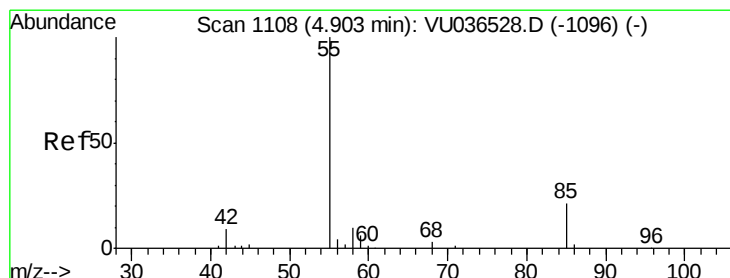
Tot Ion:	41	Resp:	31003
Ion	Ratio	Lower	Upper
41	100		
67	87.0	69.6	104.4
39	52.0	41.6	62.4
52	32.4	25.9	38.9

Manual Integrations
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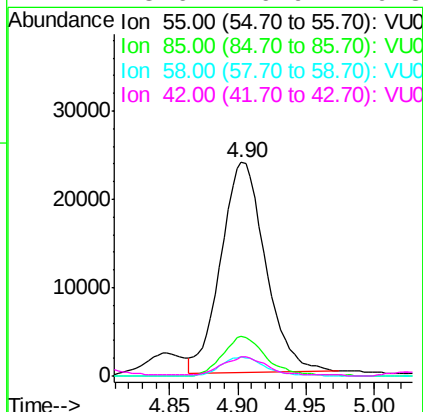
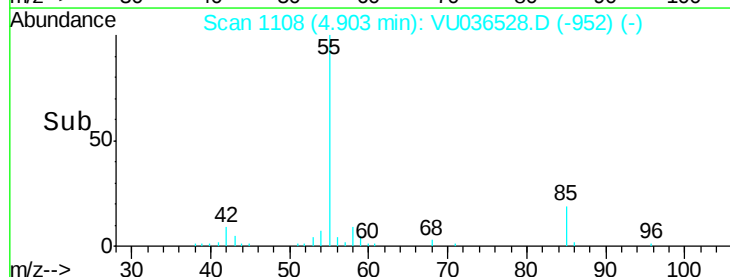
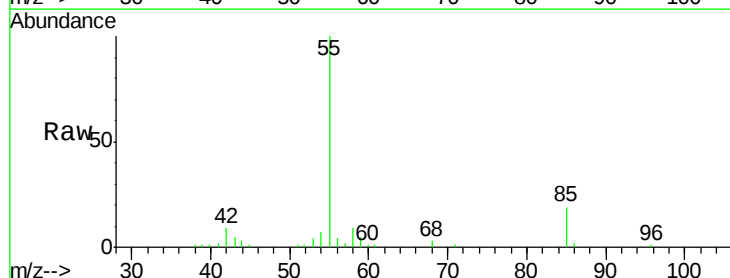
apatel

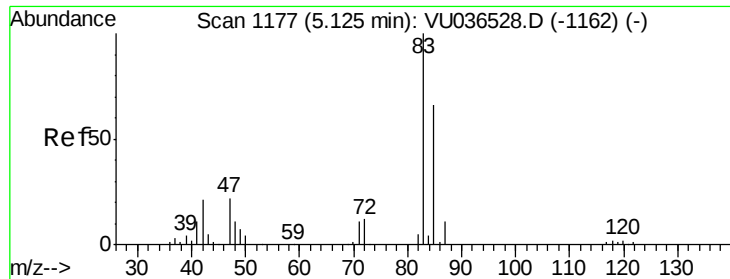
1/23/2020 3:21:50 PM



#40
Methyl acrylate
Concen: 8.699 ug/l
RT: 4.90 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion:	55	Resp:	53843
Ion	Ratio	Lower	Upper
55	100		
85	18.4	14.7	22.1
58	8.9	7.1	10.7
42	8.6	6.9	10.3





#41

Tetrahydrofuran

Concen: 15.231 ug/l

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

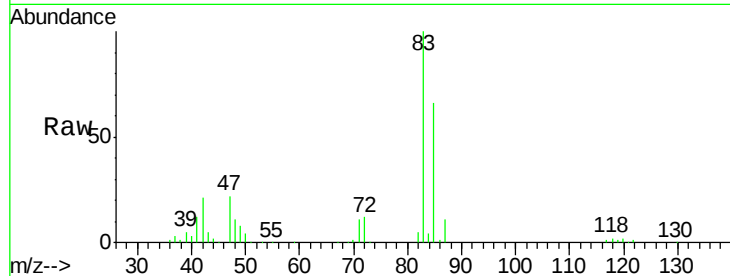
MSVOA_U

ClientSampleId :

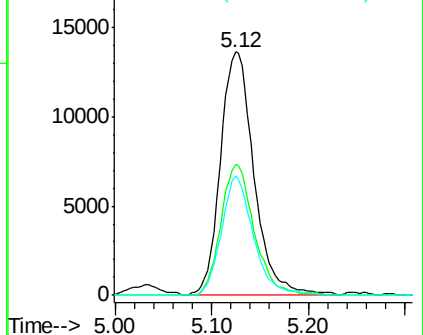
VSTDICCC010

Tot Ion:	42	Resp:	32947
Ion	Ratio	Lower	Upper
42	100		
72	53.1	42.5	63.7
71	46.6	37.3	55.9

Manual Integrations
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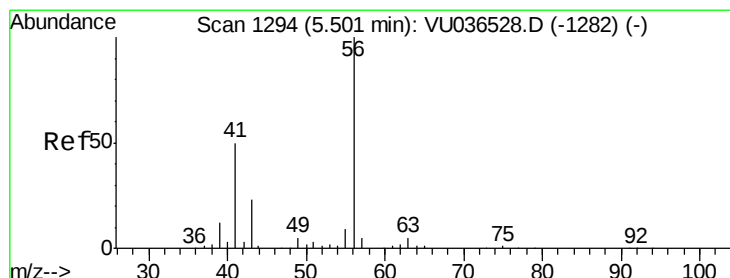
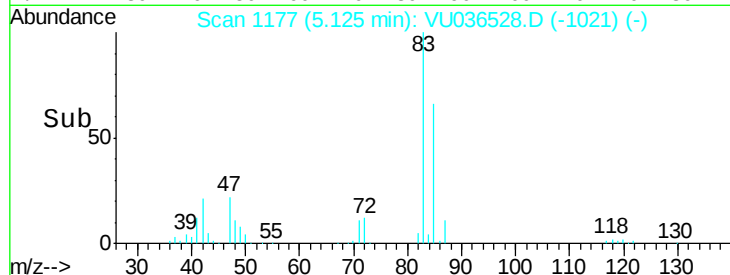


Abundance Ion 42.00 (41.70 to 42.70): VU036528.D (-1162) (-)



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#42

1-Chlorobutane

Concen: 7.999 ug/l

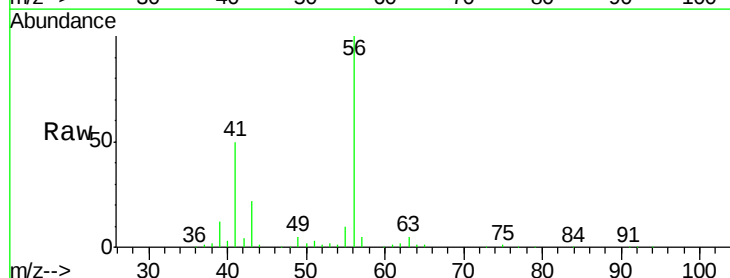
RT: 5.50 min Scan# 1294

Delta R.T. 0.00 min

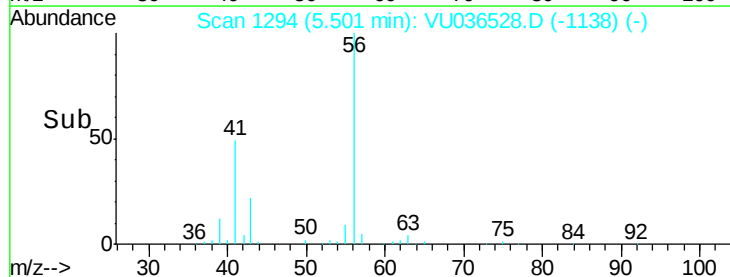
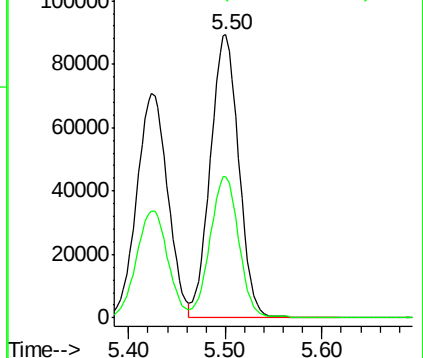
Lab File: VU036528.D

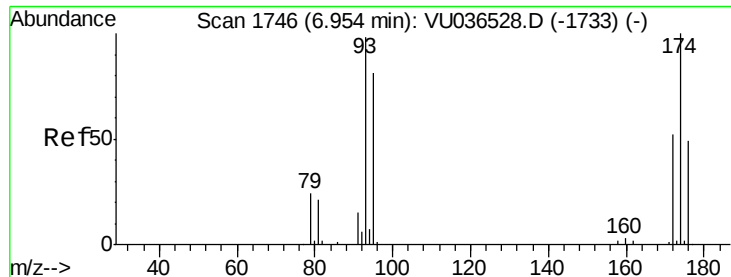
Acq: 22 Jan 2020 16:13

Tgt Ion:	56	Resp:	181717
Ion	Ratio	Lower	Upper
56	100		
41	49.5	24.8	74.3



Abundance Ion 56.00 (55.70 to 56.70): VU036528.D (-1282) (-)



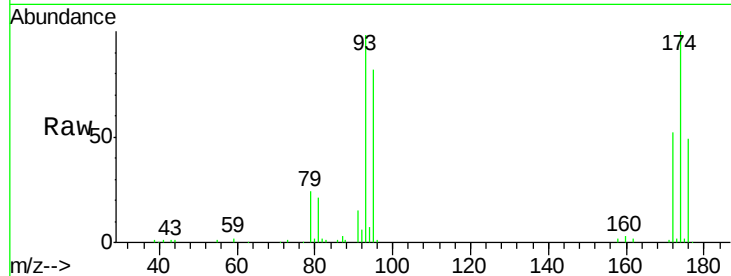


#43
Dibromomethane
Concen: 9.088 ug/l
RT: 6.95 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.9	101.9
174	104.2	83.4	125.0

Manual Integrations
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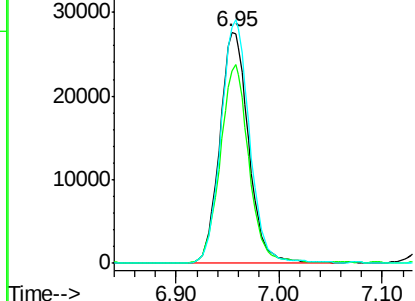
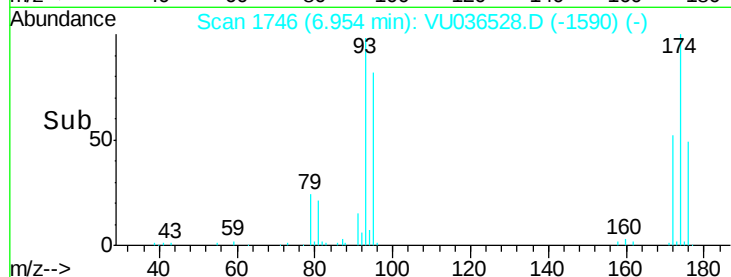
Abundance

Ion 93.00 (92.70 to 93.70): VU036528.D (-1733) (-)

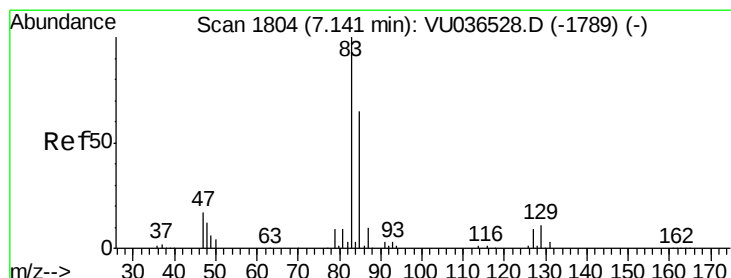
Ion 95.00 (94.70 to 95.70): VU036528.D (-1733) (-)

Ion 174.00 (173.70 to 174.70): VU036528.D (-1733) (-)

apatel

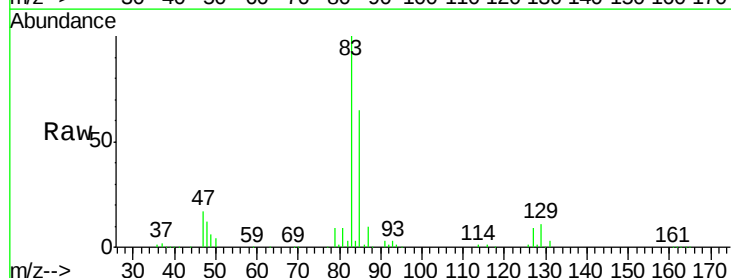


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#44
Bromodichloromethane
Concen: 8.340 ug/l
RT: 7.14 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.5	6.8	10.2

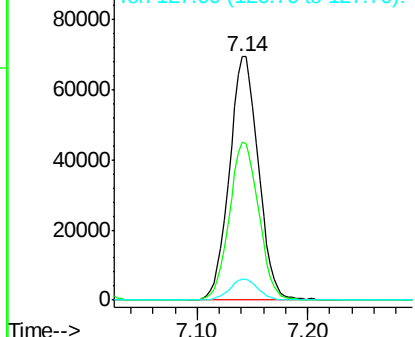
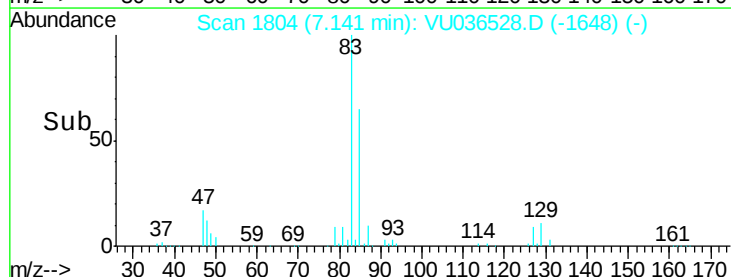


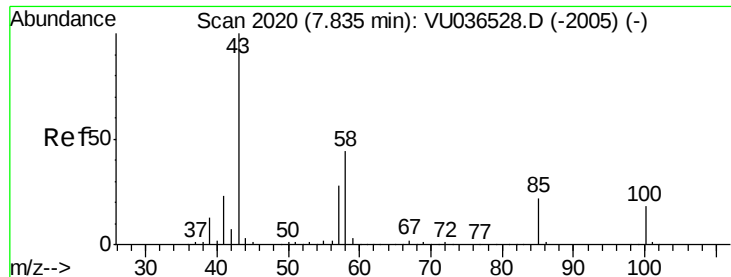
Abundance

Ion 83.00 (82.70 to 83.70): VU036528.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU036528.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU036528.D (-1789) (-)



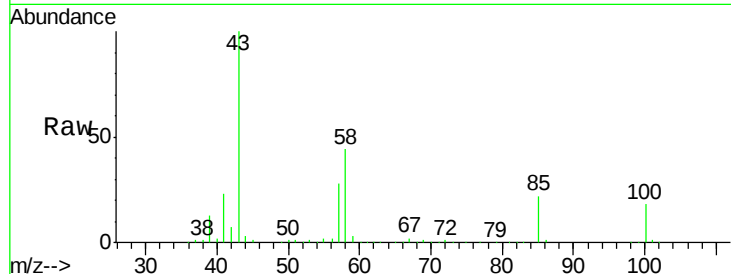


#45
4-Methyl-2-Pentanone
Concen: 36.579 ug/l
RT: 7.84 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

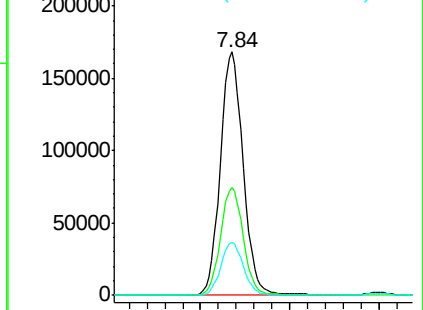
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.1	22.1	66.1
85	21.7	17.4	26.0

Manual Integrations
APPROVED

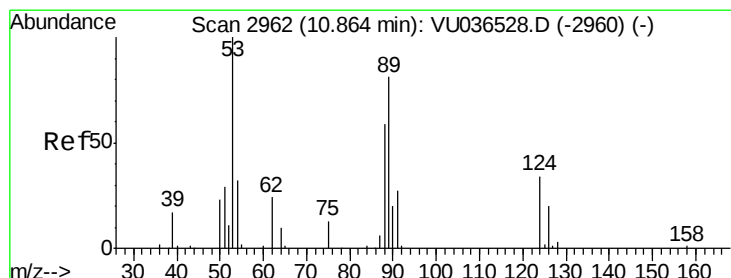
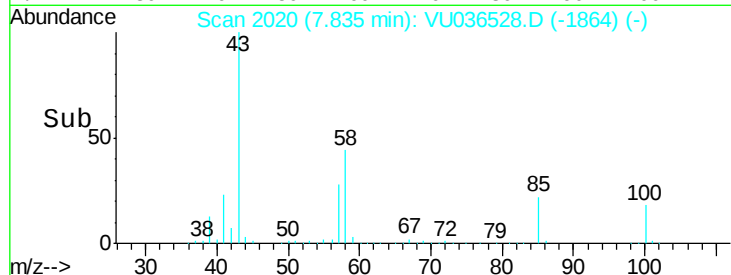


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



apatel

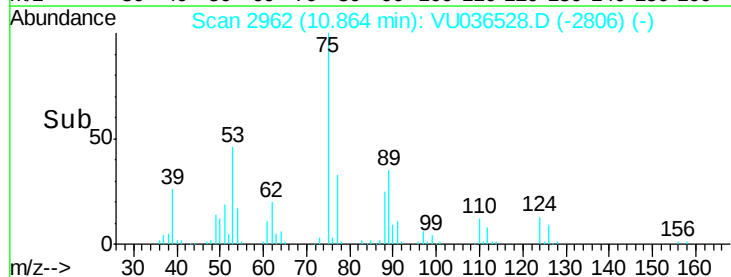
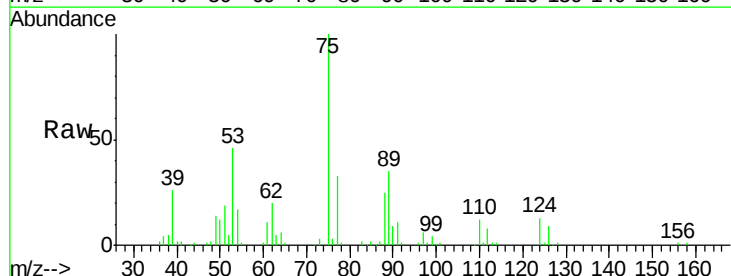
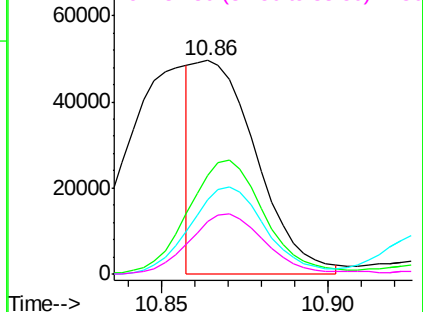
1/23/2020 3:21:50 PM

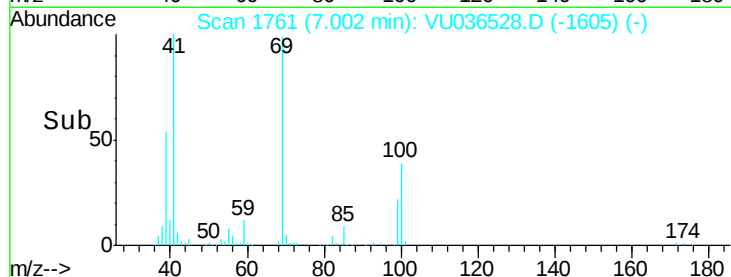
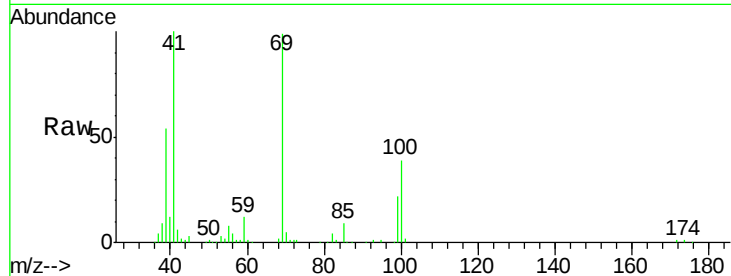
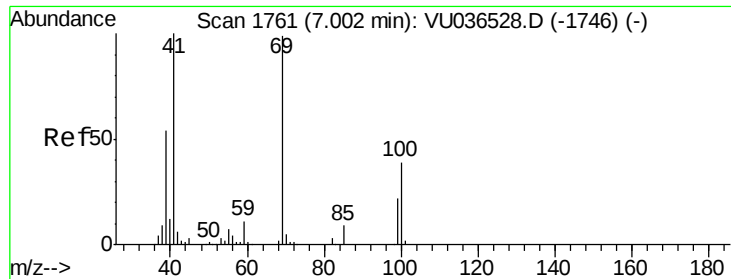


#46
t-1,4-Dichloro-2-butene
Concen: 19.476 ug/l m
RT: 10.86 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
53	65.2	52.2	78.2
89	49.7	39.8	59.6
88	34.3	27.4	41.2

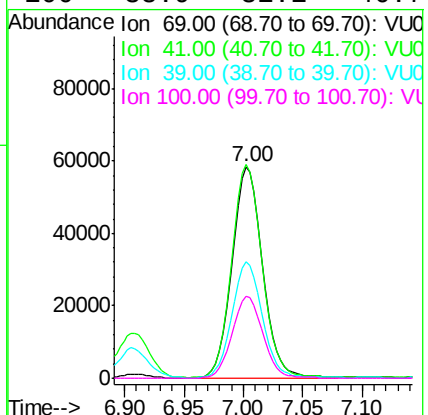
Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0





#47
Methyl methacrylate
Concen: 18.492 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	100.4	0.0	200.8		
39	54.4	43.5	65.3		
100	38.9	31.1	46.7		

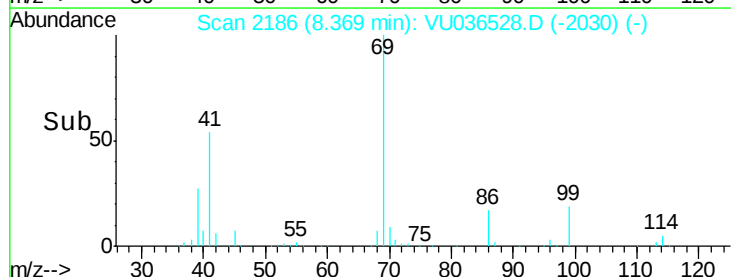
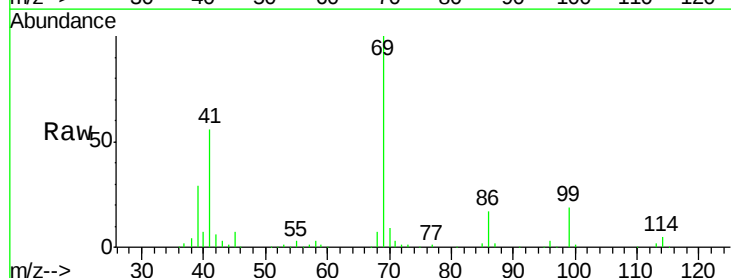
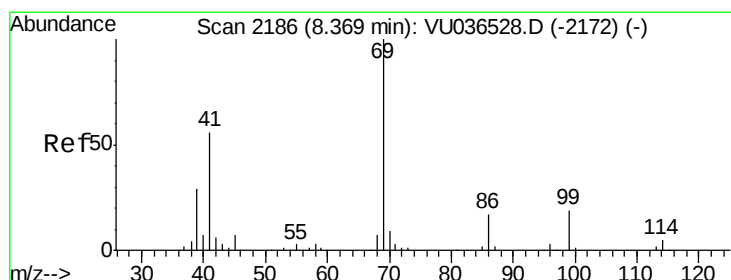


Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
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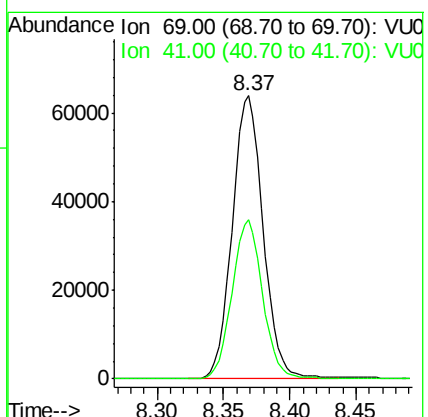
apatel

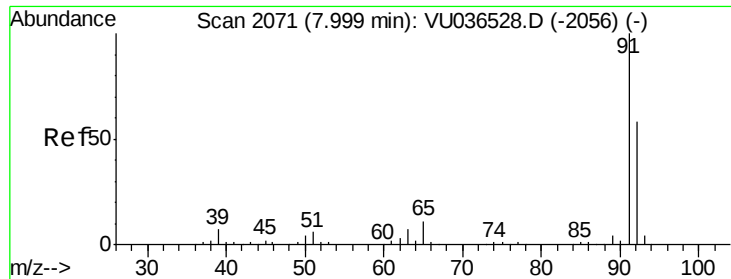
1/23/2020 3:21:50 PM



#48
Ethyl methacrylate
Concen: 9.276 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	55.7	27.9	83.6		





#49

Toluene

Concen: 9.390 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

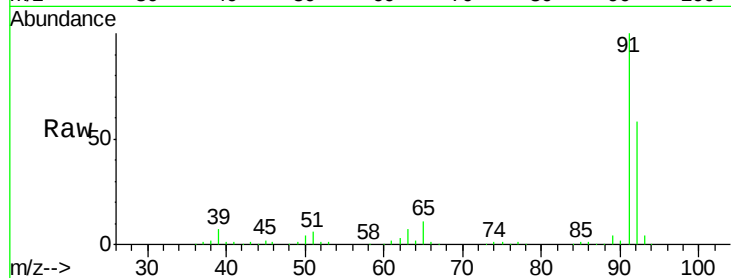
Tot Ion: 92 Resp: 255398

Ion Ratio Lower Upper

92 100

91 173.9 139.1 208.7

Manual Integrations
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Abundance Ion 92.00 (91.70 to 92.70): VU036528.D (-2056) (-)

Ion 91.00 (90.70 to 91.70): VU036528.D (-2056) (-)

300000

250000

200000

150000

100000

50000

0

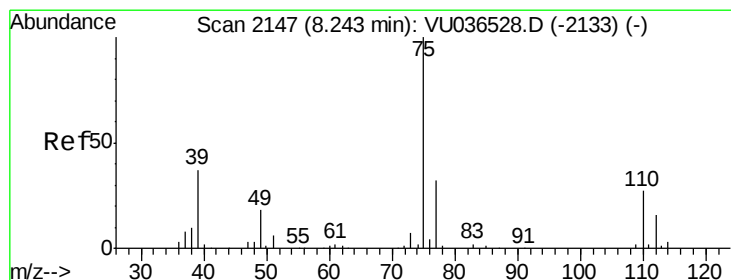
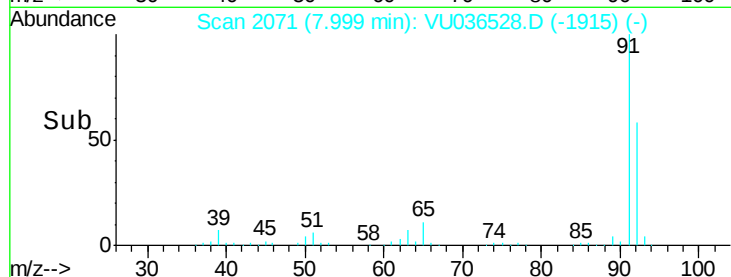
Time-->

7.90 7.95 8.00 8.05

8.00

apatel

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#50

t-1,3-Dichloropropene

Concen: 8.795 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036528.D

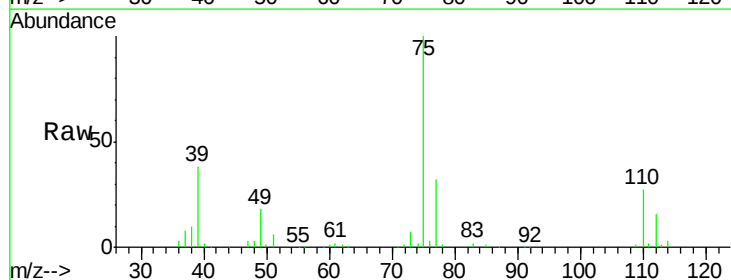
Acq: 22 Jan 2020 16:13

Tgt Ion: 75 Resp: 131390

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-2133) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-2133) (-)

80000

60000

40000

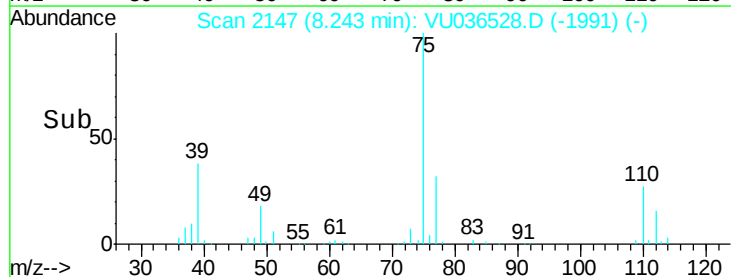
20000

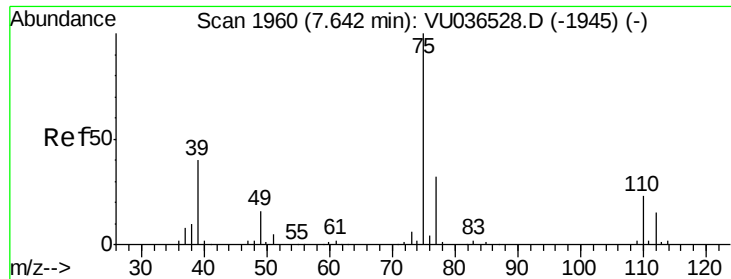
0

Time-->

8.20 8.24 8.28 8.32 8.36 8.40

8.24



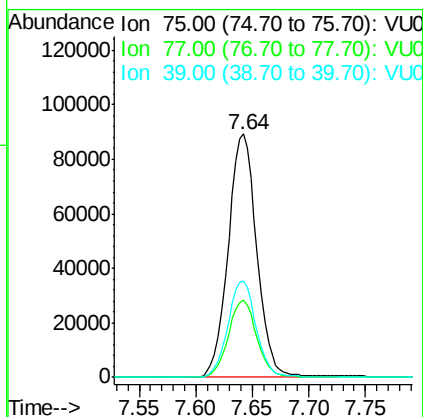
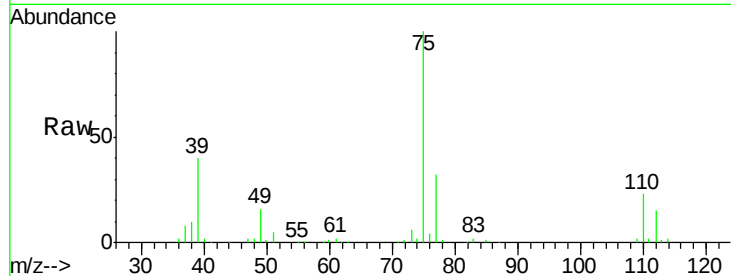


#51
 cis-1,3-Dichloropropene
 Concen: 9.106 ug/l
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

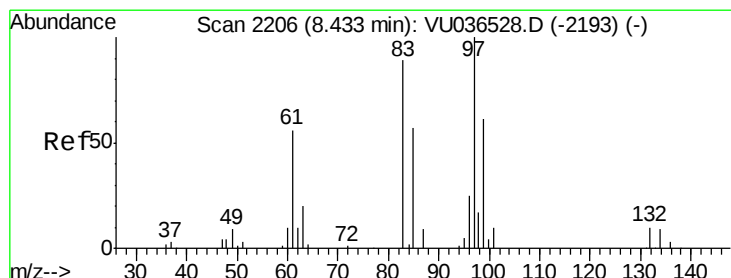
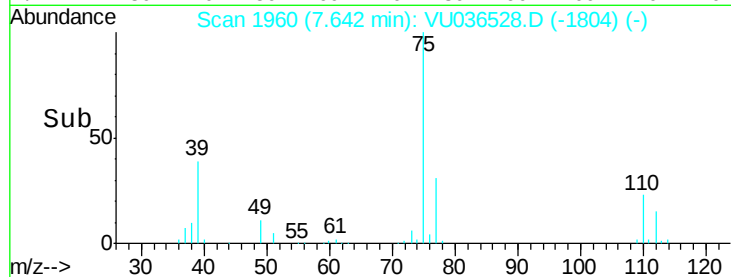
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	39.7	31.8	47.6

Manual Integrations
 APPROVED



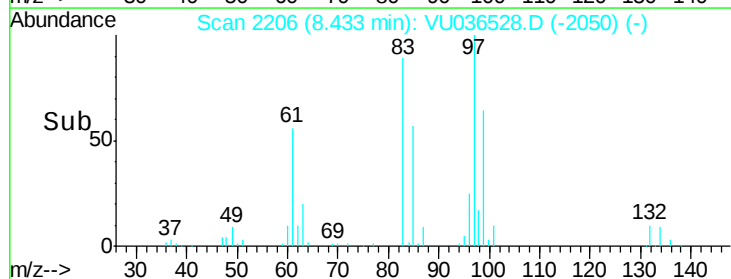
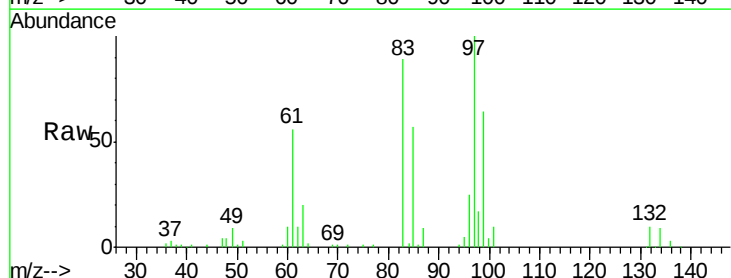
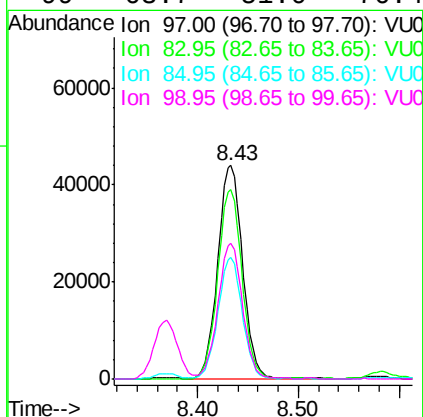
apatel

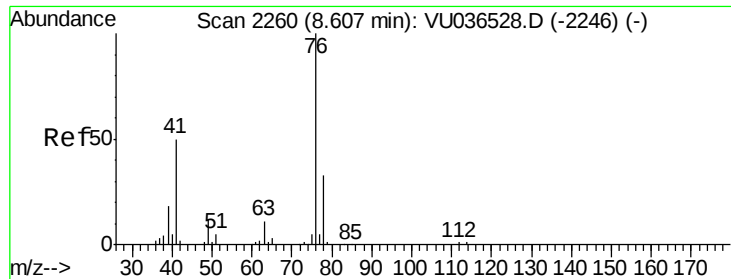
1/23/2020 3:21:50 PM



#52
 1,1,2-Trichloroethane
 Concen: 9.702 ug/l
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	57.0	45.6	68.4
99	63.7	51.0	76.4



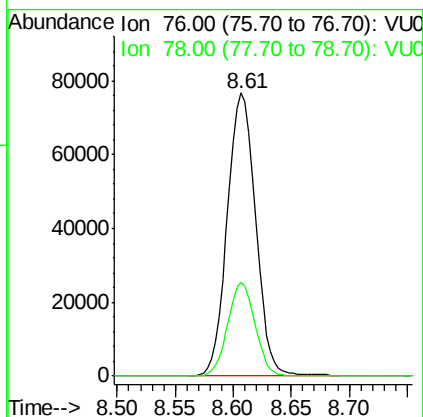
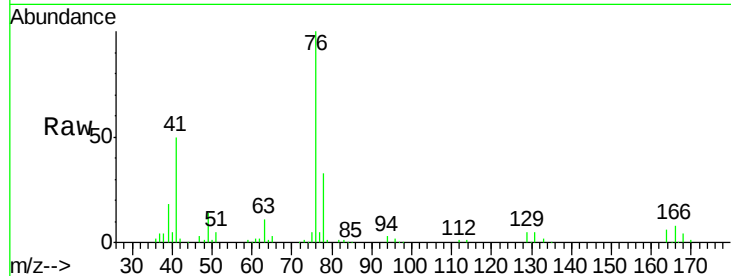


#53
 1,3-Dichloropropane
 Concen: 8.920 ug/l
 RT: 8.61 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

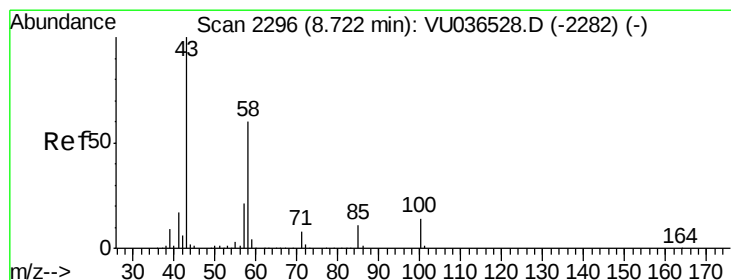
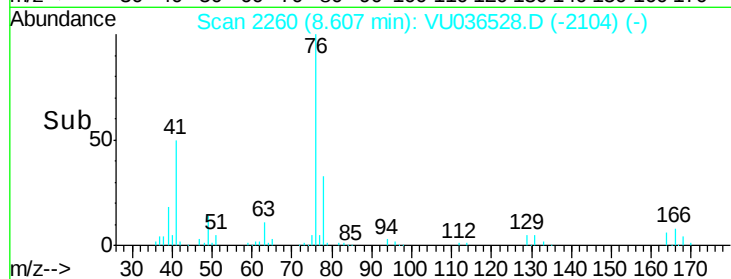
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

Manual Integrations
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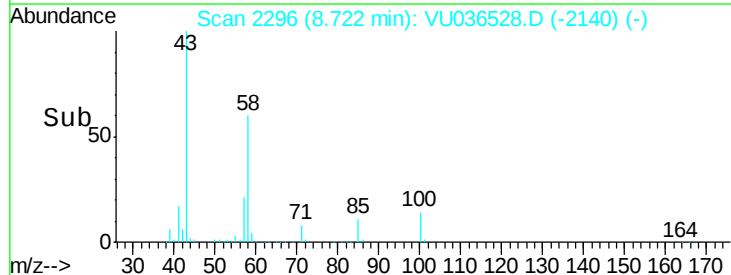
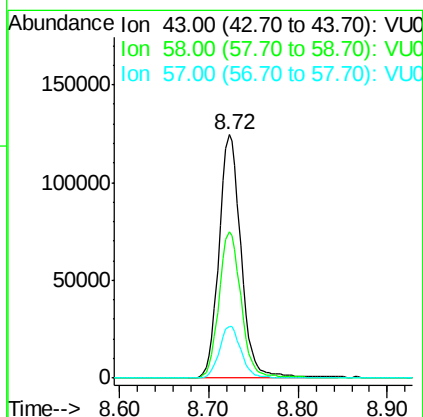
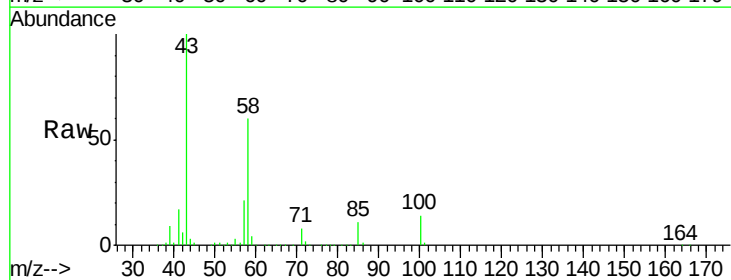
apatel

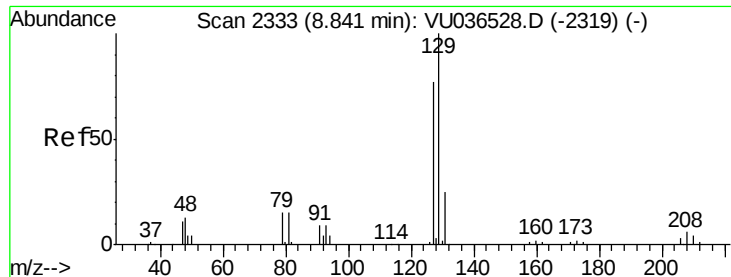
1/23/2020 3:21:50 PM



#54
 2-Hexanone
 Concen: 37.981 ug/l
 RT: 8.72 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	60.6	40.6	80.6
57	21.2	1.2	41.2





#55

Dibromochloromethane

Concen: 9.645 ug/l

RT: 8.84 min Scan# 2333

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

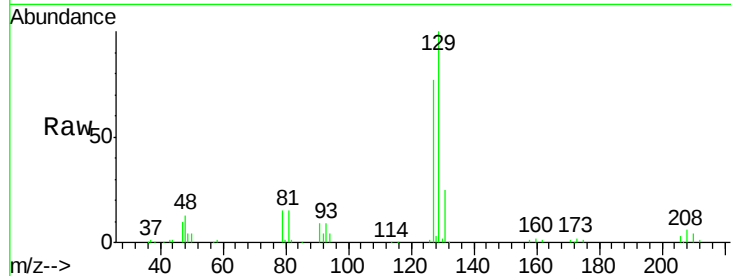
Tot Ion:129 Resp: 88590

Ion Ratio Lower Upper

129 100

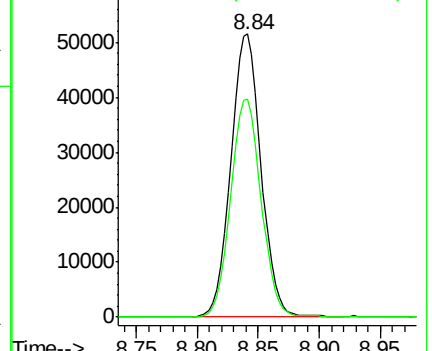
127 78.3 62.6 94.0

Manual Integrations
APPROVED



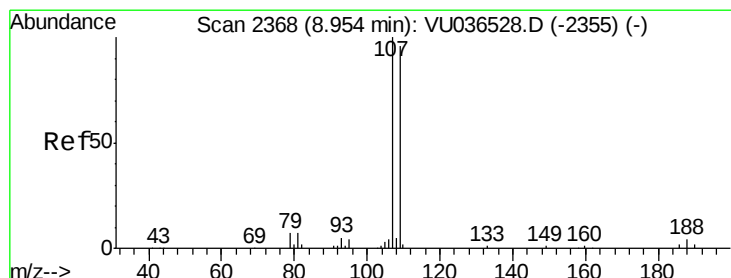
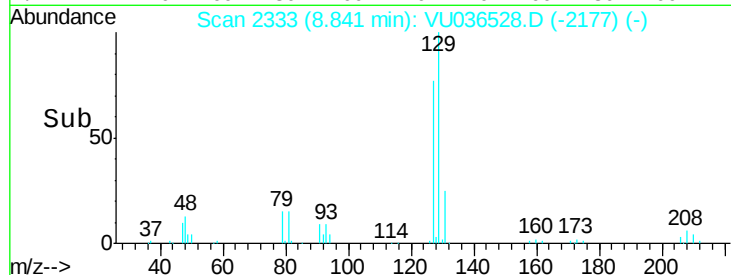
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 9.486 ug/l

RT: 8.95 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VU036528.D

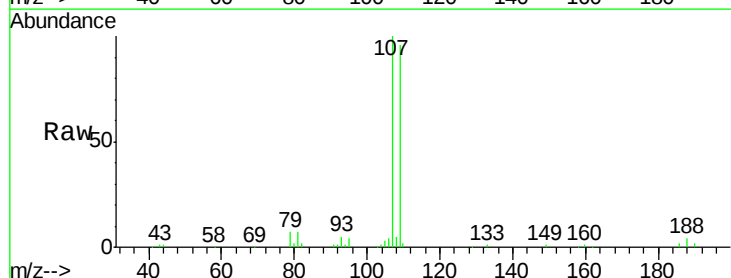
Acq: 22 Jan 2020 16:13

Tgt Ion:107 Resp: 73117

Ion Ratio Lower Upper

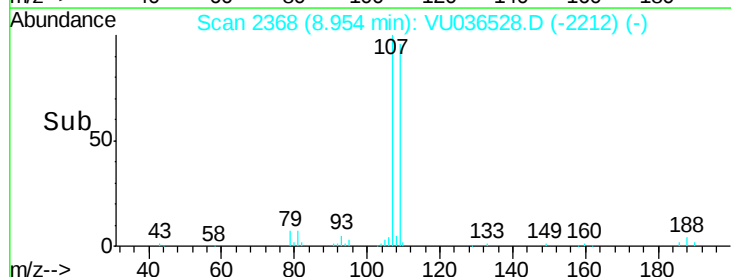
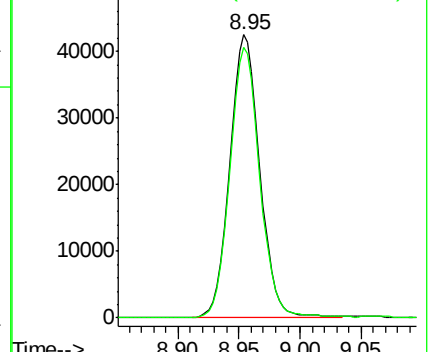
107 100

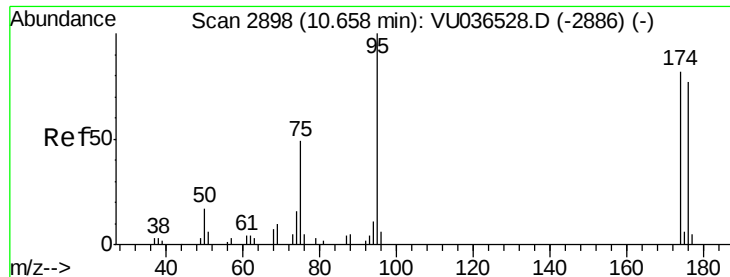
109 95.4 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



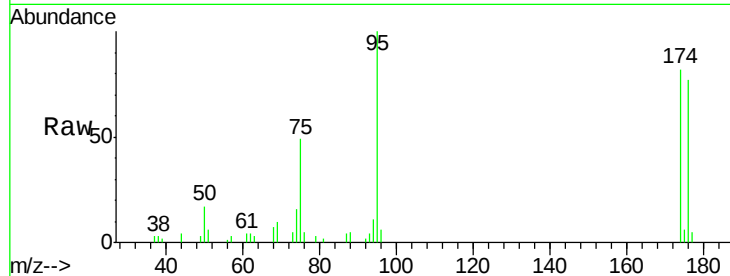


#57
4-Bromofluorobenzene
Concen: 0.936 ug/l
RT: 10.66 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	80.9	64.7	97.1
176	75.8	60.6	91.0

Manual Integrations
APPROVED



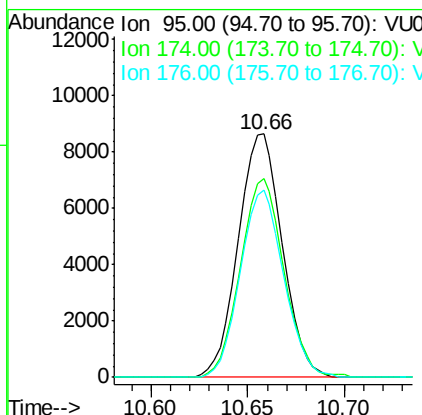
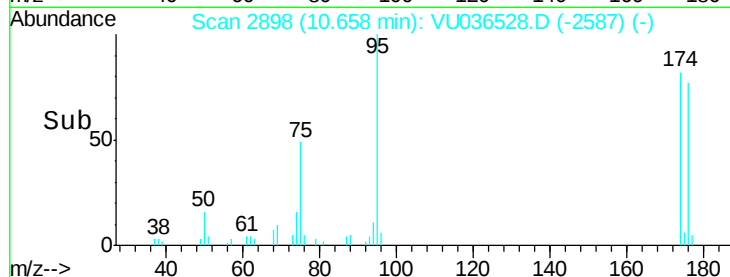
Abundance

Ion 95.00 (94.70 to 95.70): VU036528.D (-2886) (-)

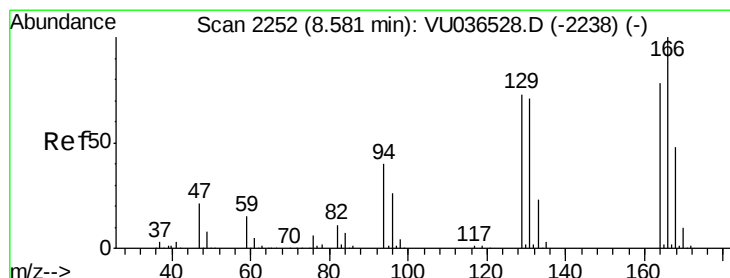
Ion 174.00 (173.70 to 174.70): VU036528.D (-2886) (-)

Ion 176.00 (175.70 to 176.70): VU036528.D (-2886) (-)

apatel

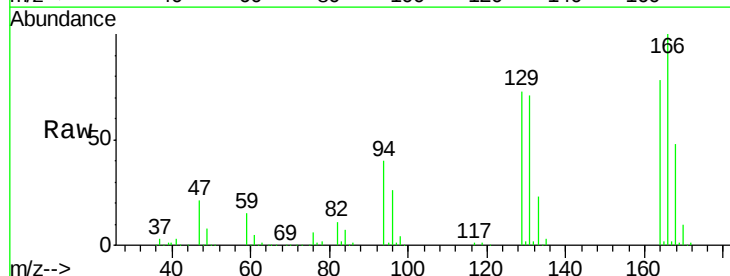


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#58
Tetrachloroethene
Concen: 12.229 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.0	153.0
129	93.6	74.9	112.3
131	90.7	72.6	108.8



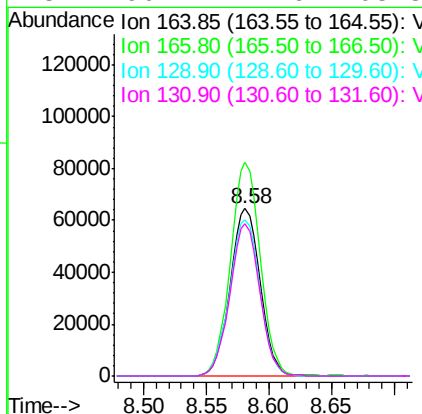
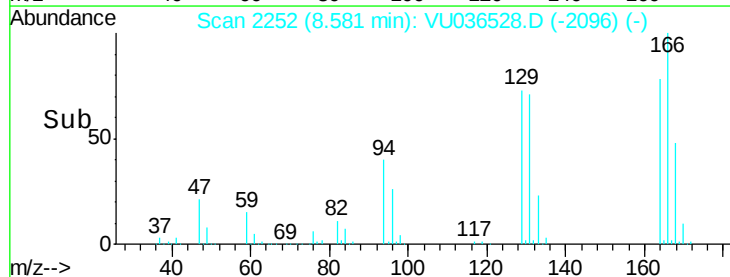
Abundance

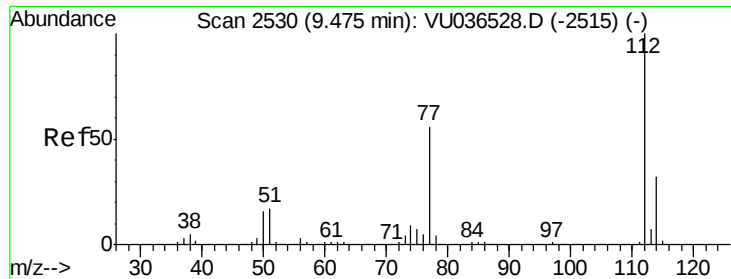
Ion 163.85 (163.55 to 164.55): VU036528.D (-2238) (-)

Ion 165.80 (165.50 to 166.50): VU036528.D (-2238) (-)

Ion 128.90 (128.60 to 129.60): VU036528.D (-2238) (-)

Ion 130.90 (130.60 to 131.60): VU036528.D (-2238) (-)



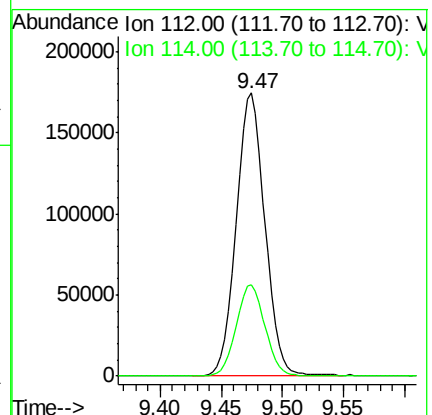
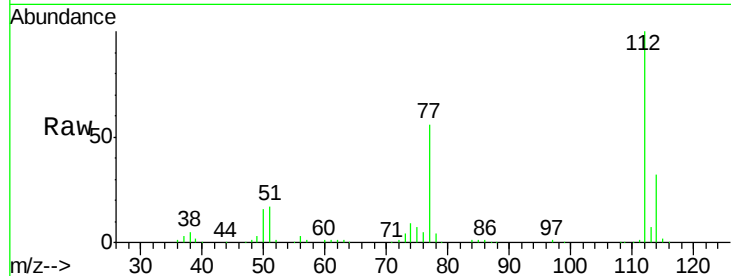


#59
Chlorobenzene
Concen: 9.948 ug/l
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

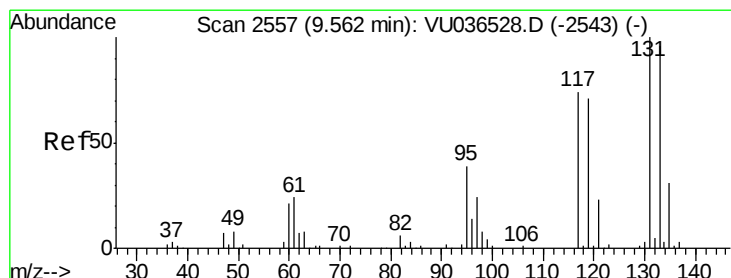
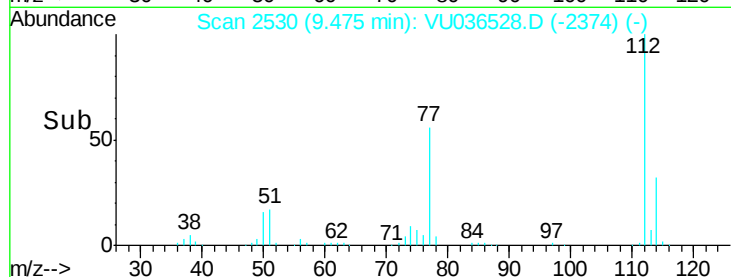
Tot Ion:112 Resp: 285596
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

Manual Integrations
APPROVED



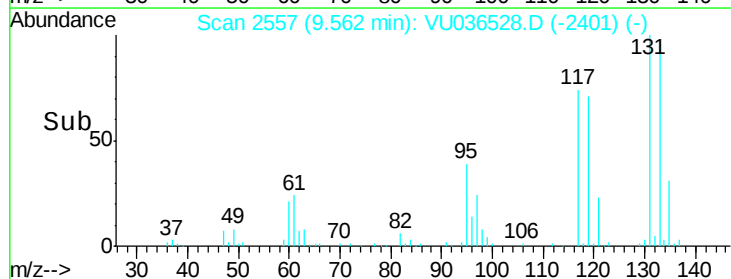
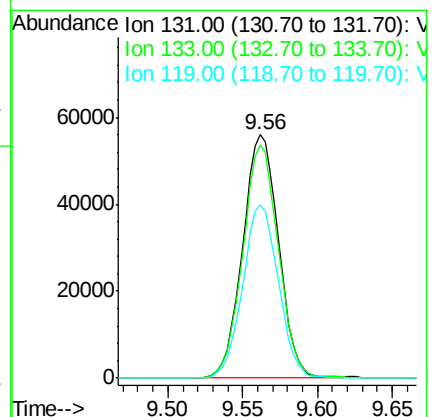
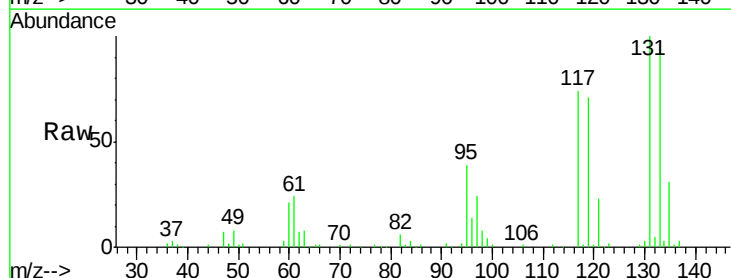
apatel

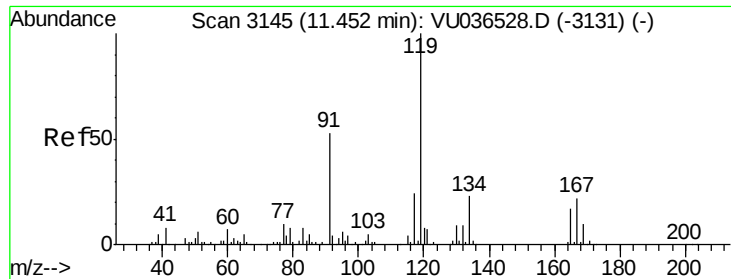
1/23/2020 3:21:50 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 9.616 ug/l
RT: 9.56 min Scan# 2557
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion:131 Resp: 93489
Ion Ratio Lower Upper
131 100
133 95.5 76.4 114.6
119 70.8 56.6 85.0



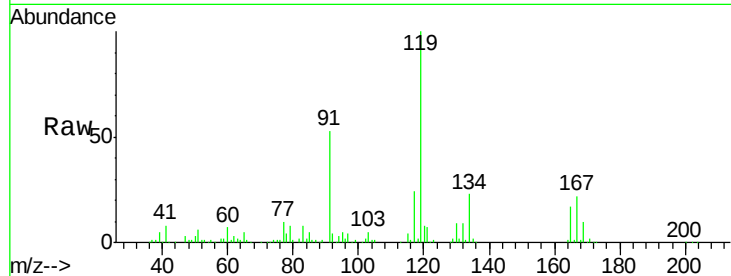


#61
 Pentachloroethane
 Concen: 7.875 ug/l
 RT: 11.45 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

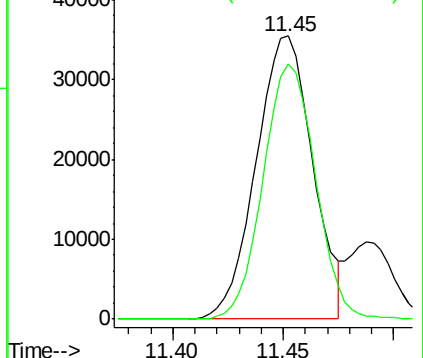
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 62984
 Ion Ratio Lower Upper
 117 100
 167 83.4 66.7 100.1

Manual Integrations
 APPROVED

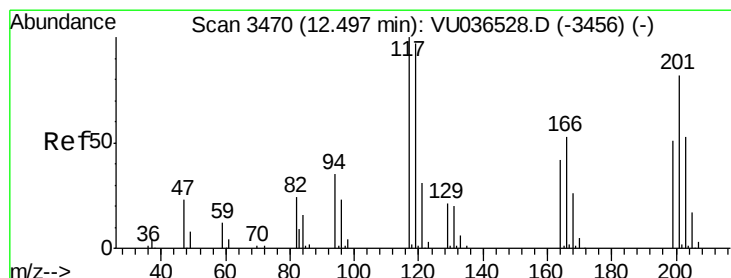
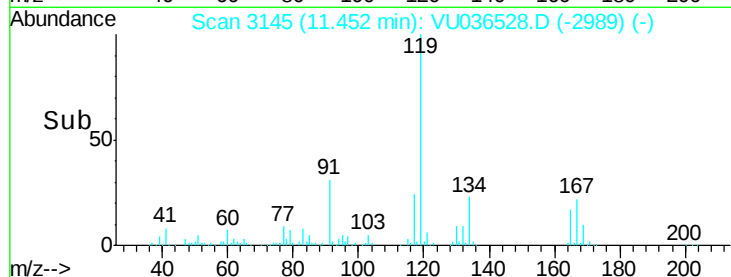


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



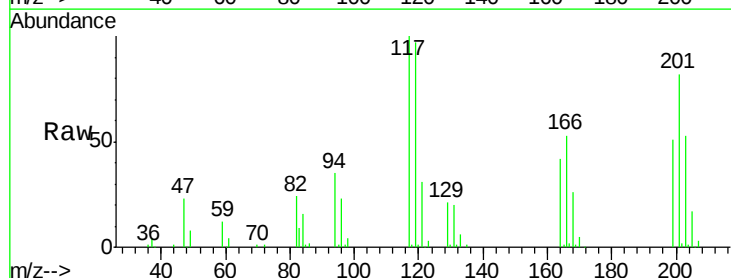
apatel

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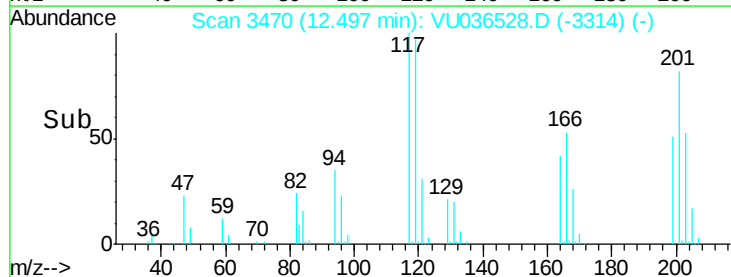
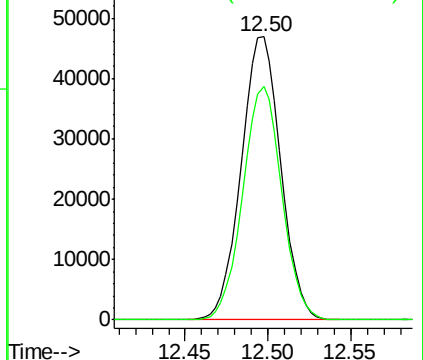


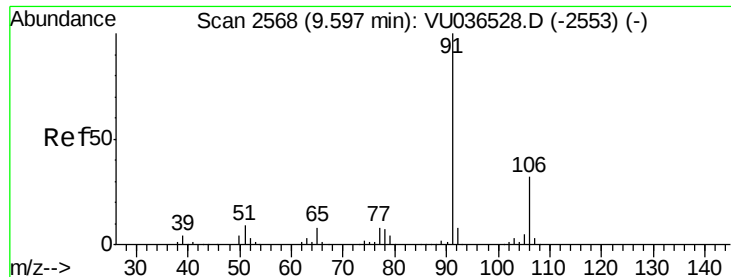
#62
 Hexachloroethane
 Concen: 9.257 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion:117 Resp: 77744
 Ion Ratio Lower Upper
 117 100
 201 81.2 65.0 97.4



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V



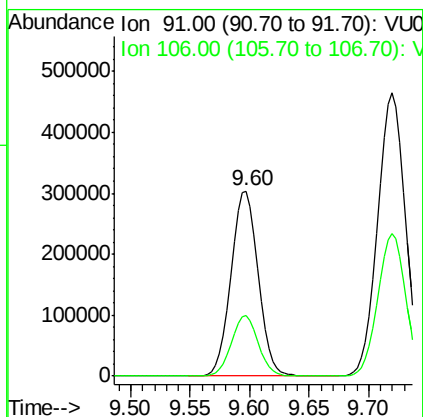
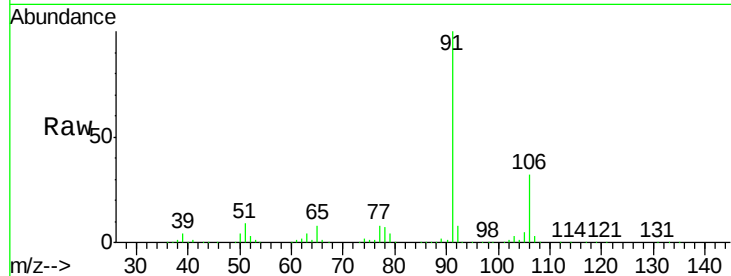


#63
Ethyl Benzene
Concen: 9.245 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

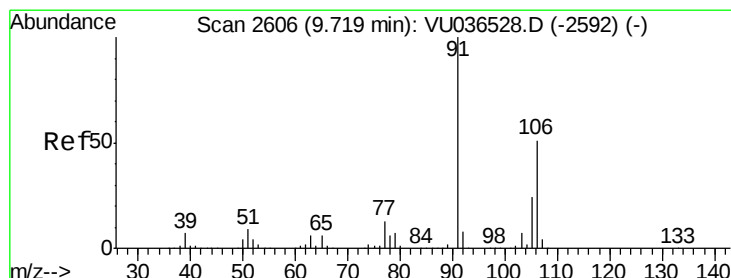
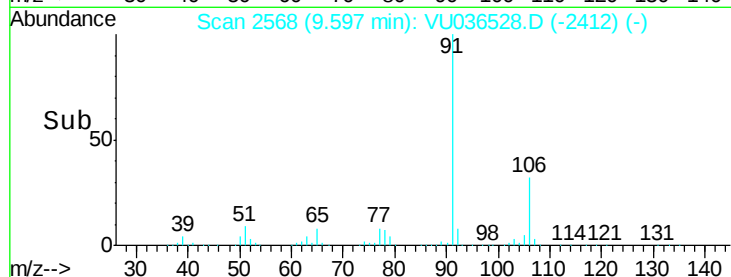
Tot Ion: 91 Resp: 482685
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0

Manual Integrations
APPROVED



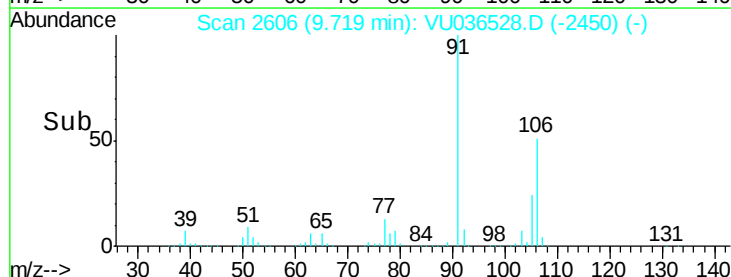
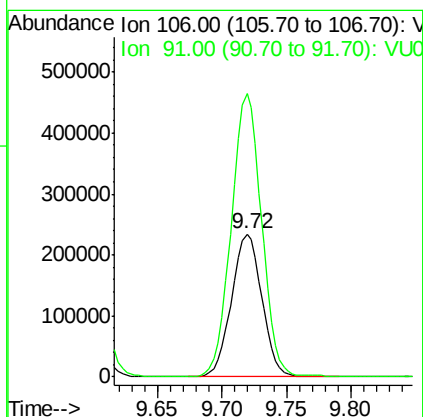
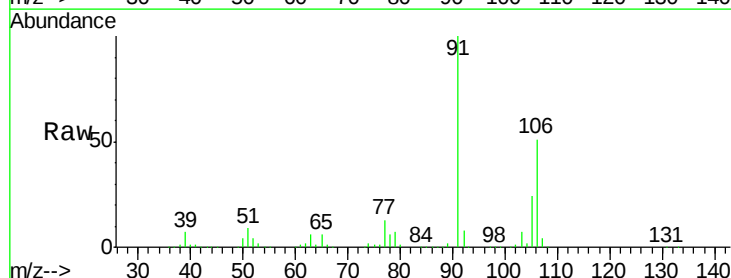
apatel

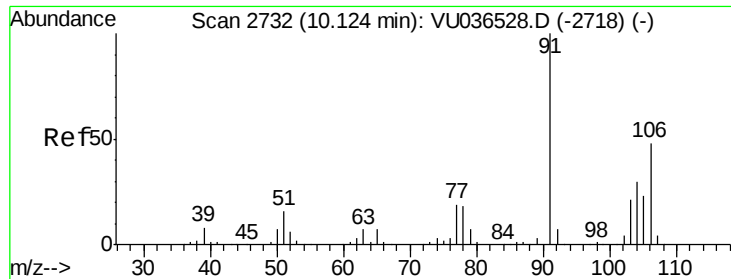
1/23/2020 3:21:50 PM



#64
m/p-Xylenes
Concen: 19.749 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 106 Resp: 381259
Ion Ratio Lower Upper
106 100
91 197.8 158.2 237.4



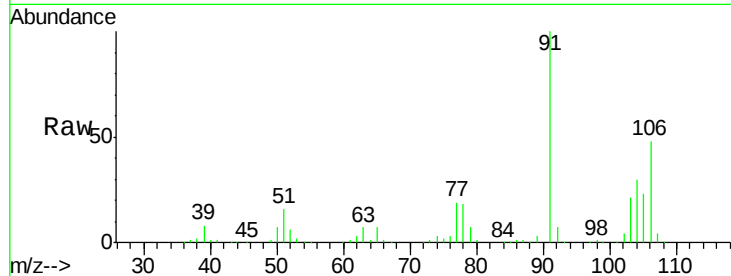


#65
o-Xylene
Concen: 9.842 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

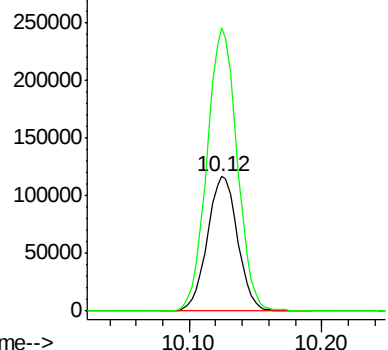
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.6	104.3	312.9	

Manual Integrations
APPROVED

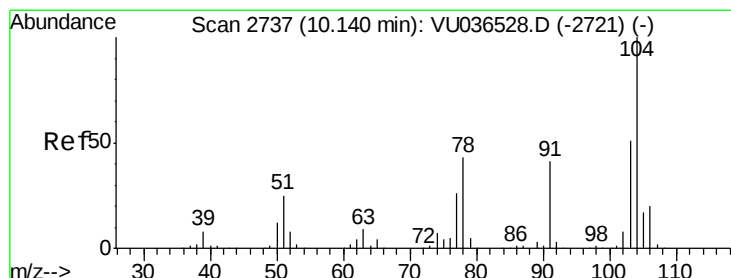
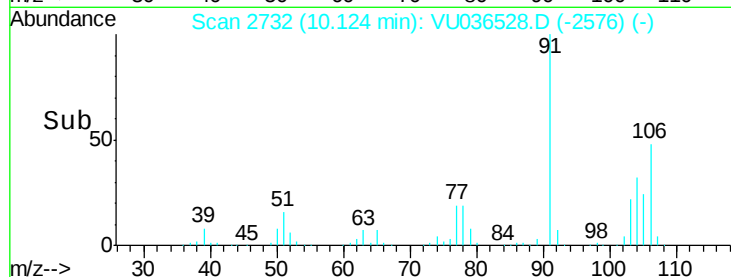


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



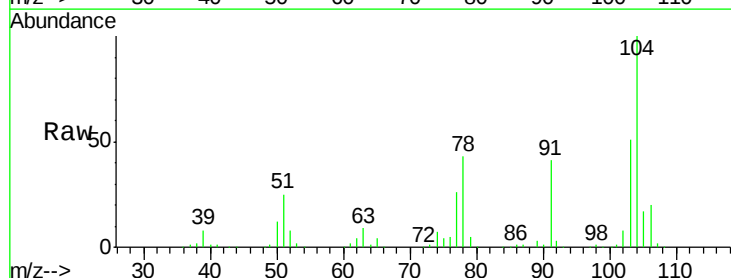
apatel

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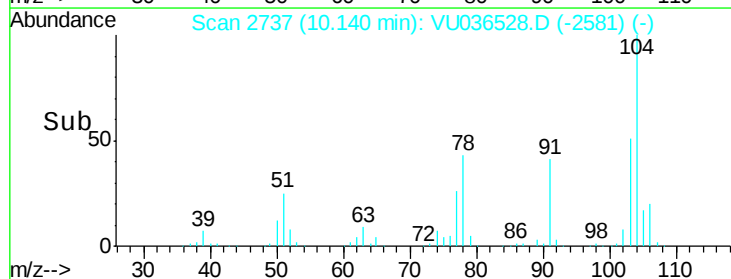
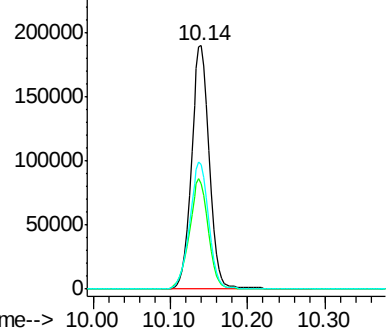


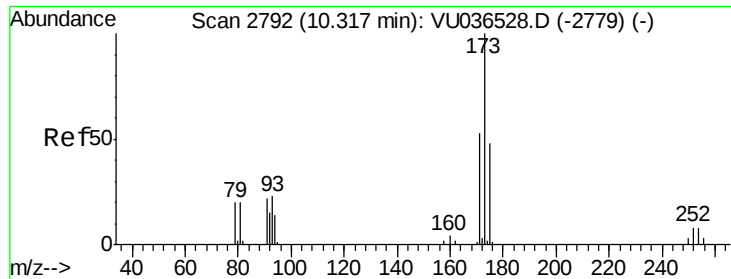
#66
Styrene
Concen: 10.017 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.2	38.6	57.8	
103	55.5	44.4	66.6	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 11.443 ug/l

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

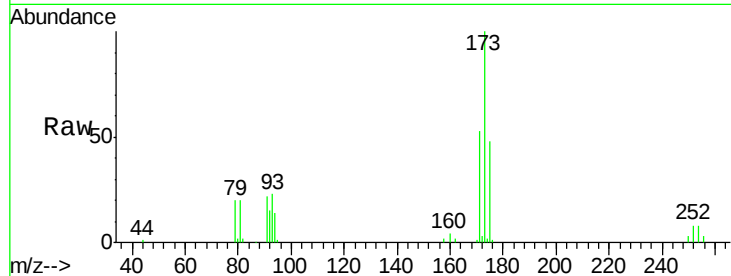
Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tot Ion:	173	Resp:	52035
Ion Ratio	Lower	Upper	
173	100		
175	47.9	38.3	57.5
254	8.2	6.6	9.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

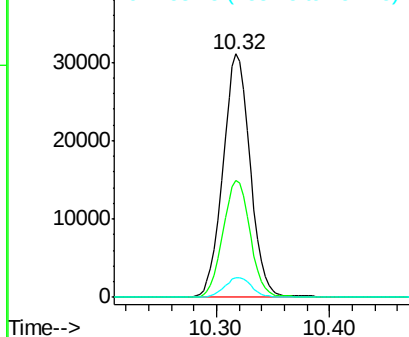


Abundance

Ion 172.90 (172.60 to 173.60): V

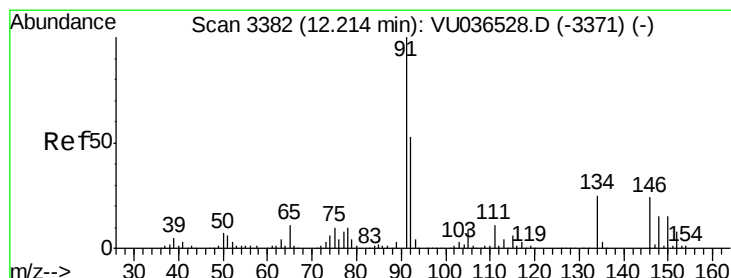
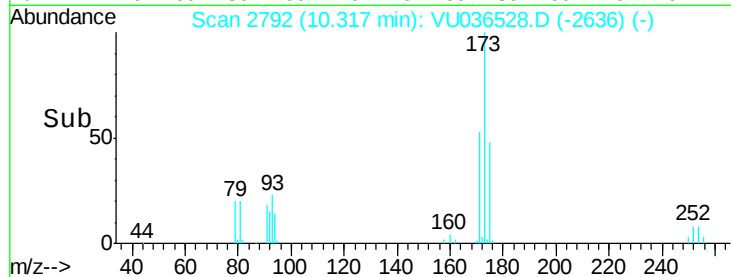
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.058 ug/l

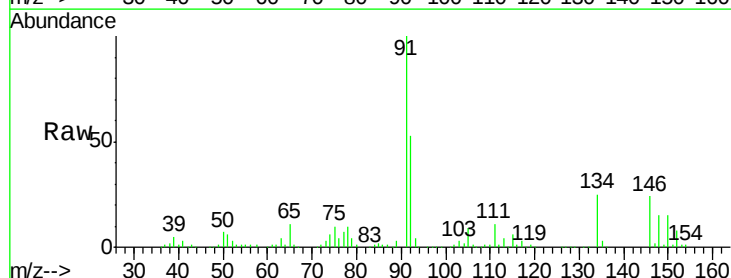
RT: 12.21 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion:	152	Resp:	13589
Ion Ratio	Lower	Upper	
152	100		
115	120.9	0.0	241.8
150	326.2	0.0	652.4

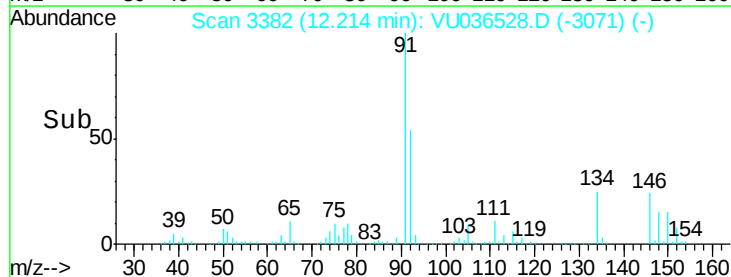
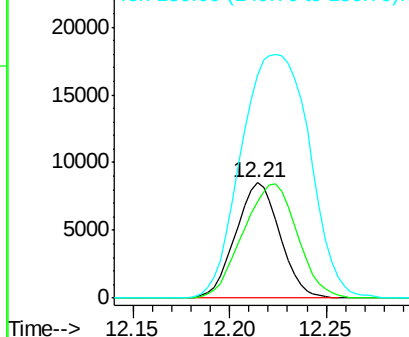


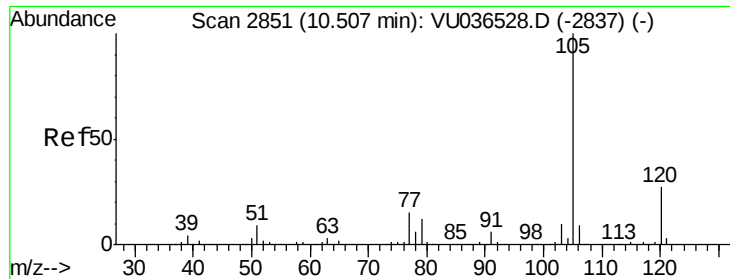
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 9.594 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

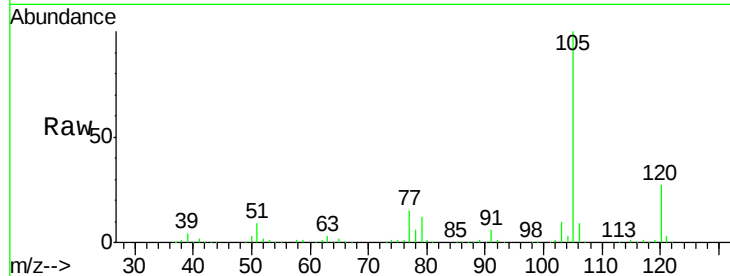
Tot Ion:105 Resp: 485940

Ion Ratio Lower Upper

105 100

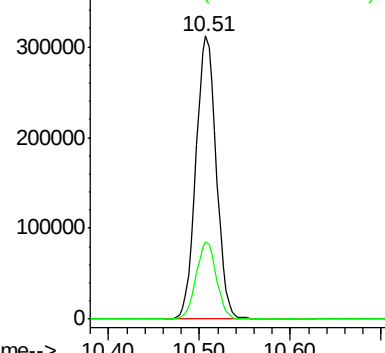
120 27.1 13.6 40.7

Manual Integrations
APPROVED



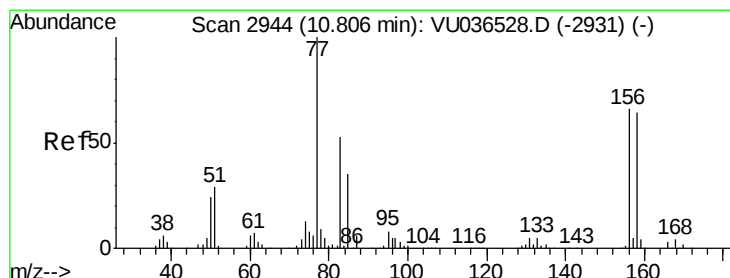
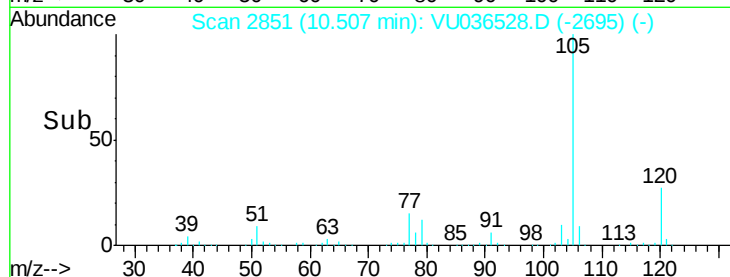
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 9.046 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

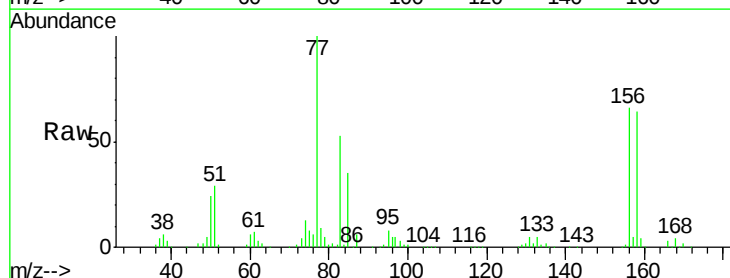
Tgt Ion: 83 Resp: 95572

Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

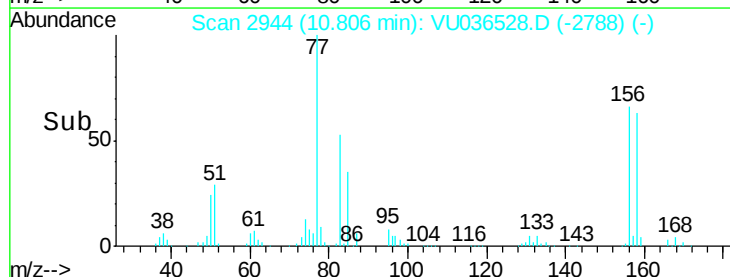
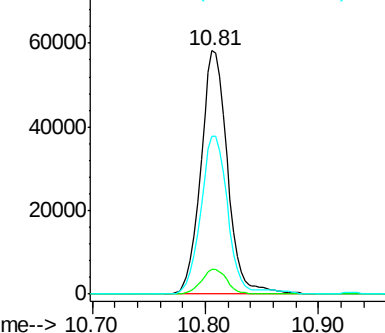
85 66.5 53.2 79.8

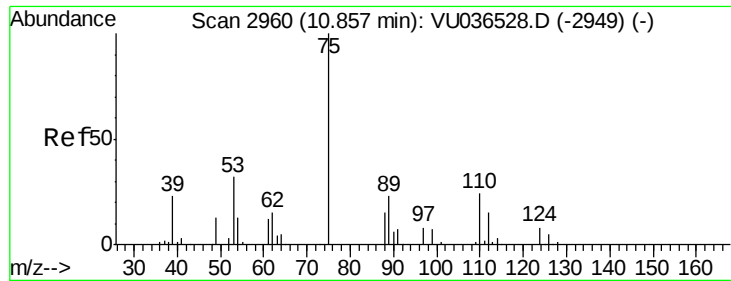


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



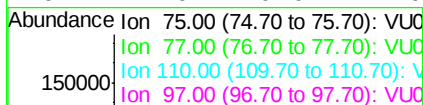
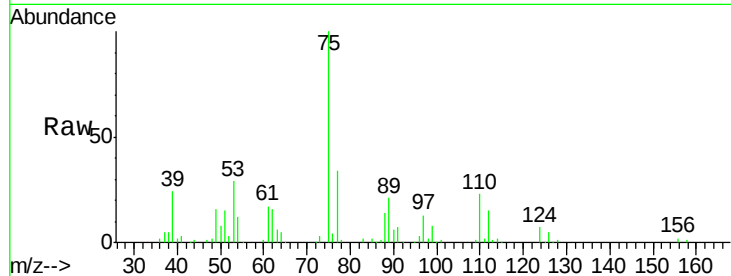


#71
1,2,3-Trichloropropane
Concen: 7.944 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

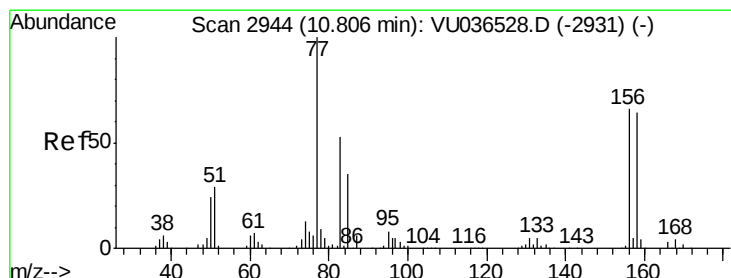
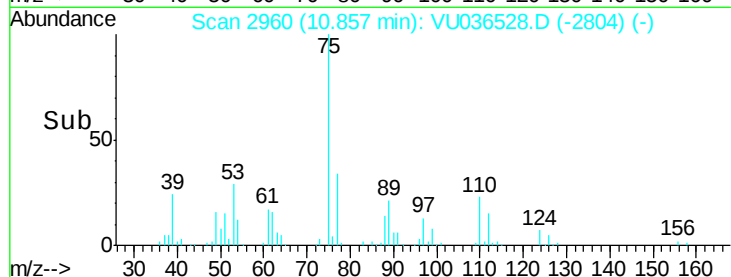
Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	64.8	0.0	129.6	
110	38.7	0.0	77.4	
97	21.0	0.0	42.0	

Manual Integrations
APPROVED



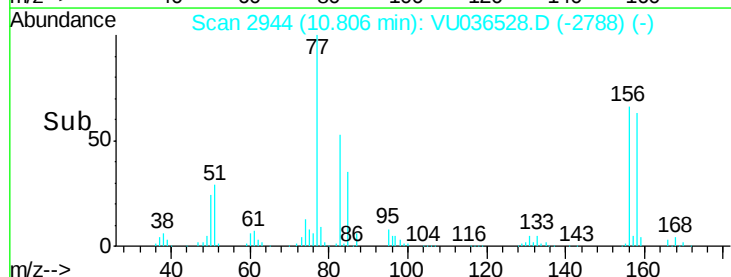
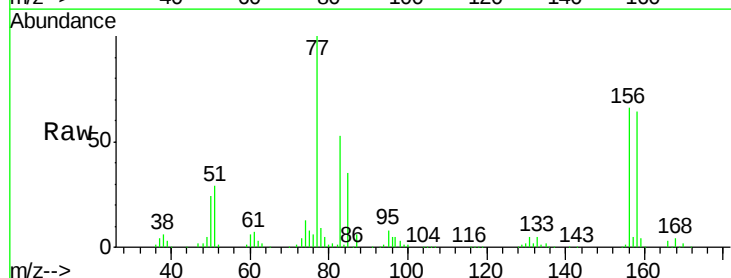
apatel

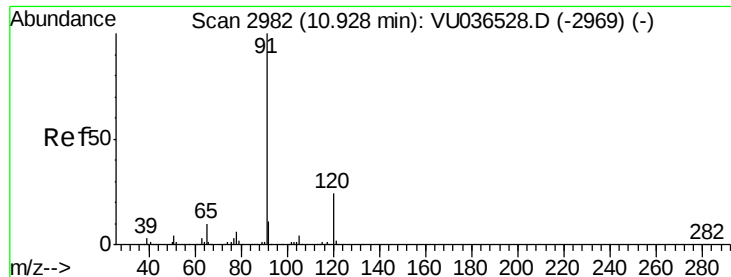
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#72
Bromobenzene
Concen: 10.995 ug/l
RT: 10.81 min Scan# 2944
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	153.3	0.0	306.6	
158	96.0	0.0	192.0	





#73

n-propylbenzene

Concen: 10.352 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

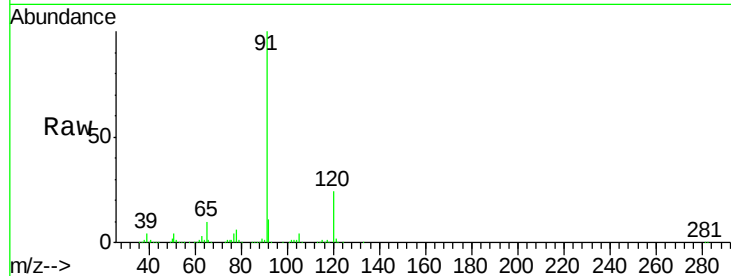
Tot Ion:120 Resp: 140613

Ion Ratio Lower Upper

120 100

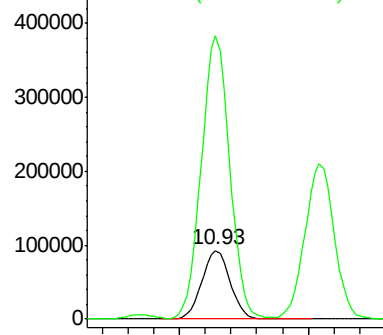
91 411.9 329.5 494.3

Manual Integrations
APPROVED



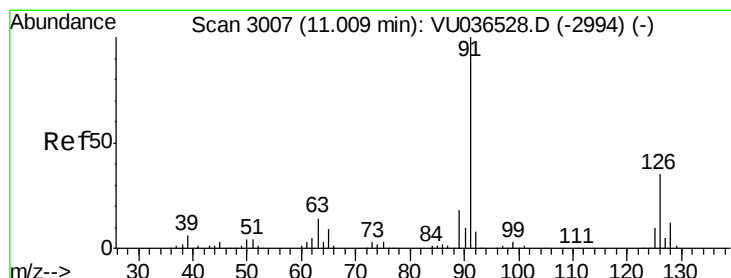
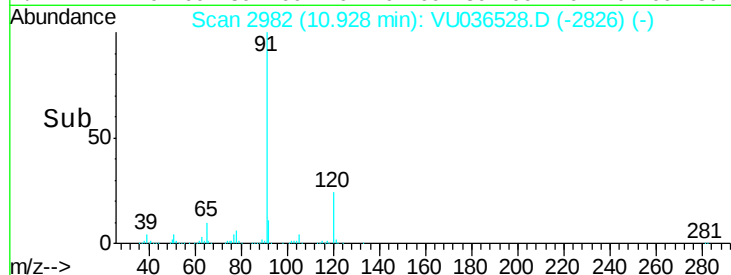
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 9.944 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU036528.D

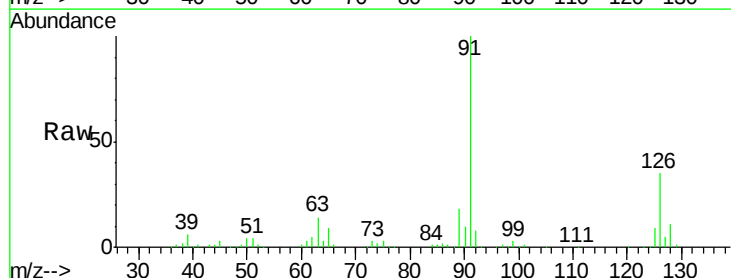
Acq: 22 Jan 2020 16:13

Tgt Ion:126 Resp: 115825

Ion Ratio Lower Upper

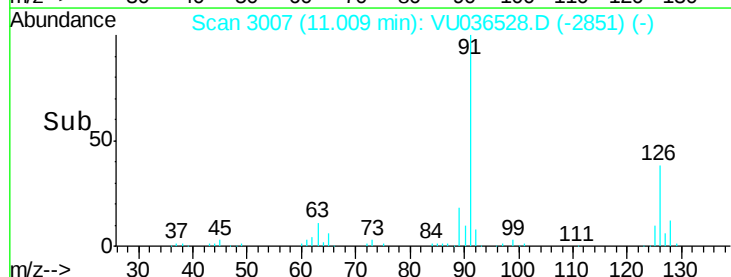
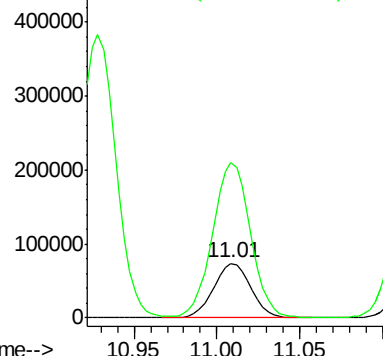
126 100

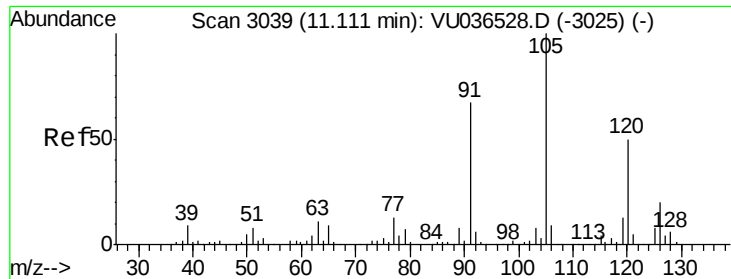
91 283.7 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 9.607 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

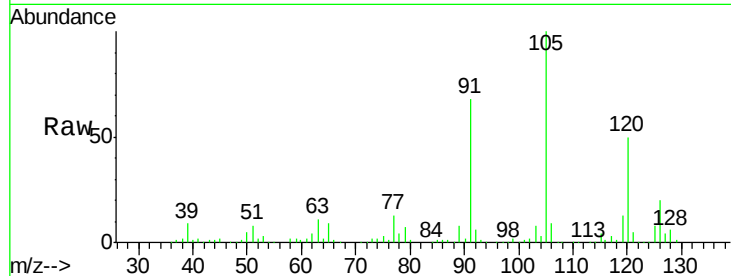
Tot Ion:105 Resp: 412976

Ion Ratio Lower Upper

105 100

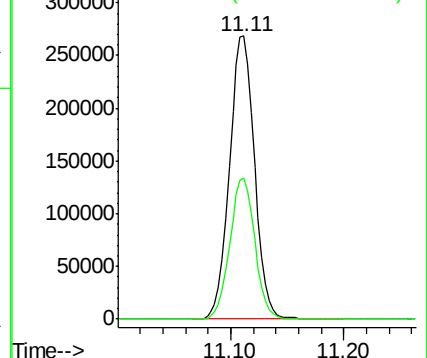
120 49.8 39.8 59.8

Manual Integrations
APPROVED



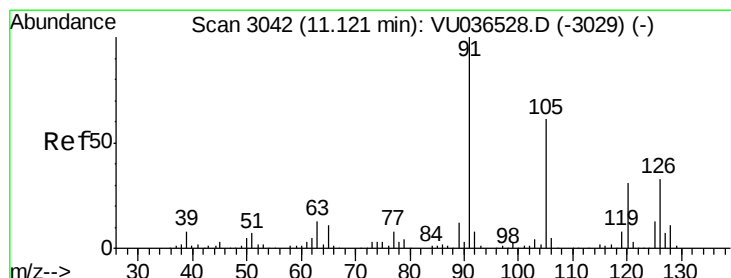
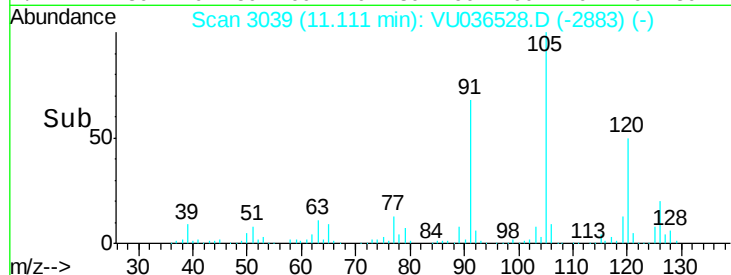
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 10.163 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. 0.00 min

Lab File: VU036528.D

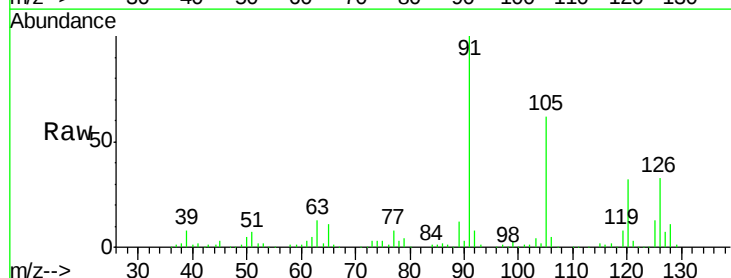
Acq: 22 Jan 2020 16:13

Tgt Ion:126 Resp: 121916

Ion Ratio Lower Upper

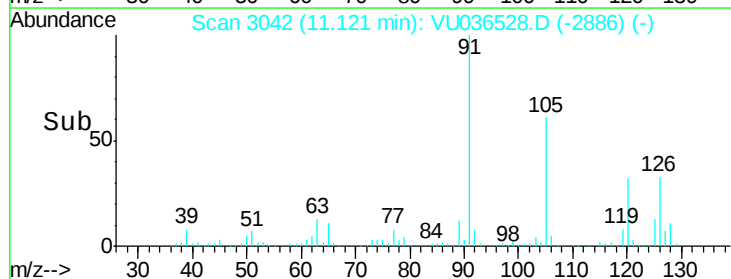
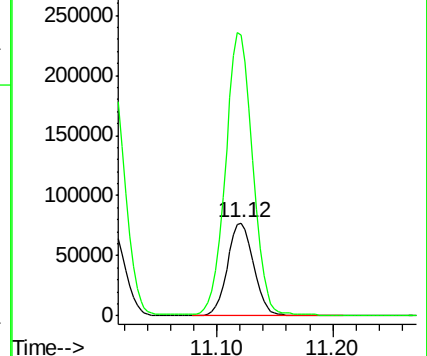
126 100

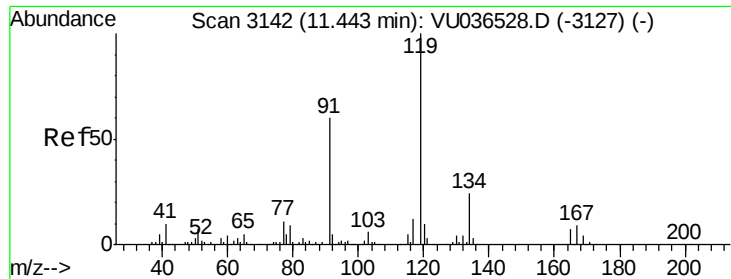
91 316.5 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 9.499 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

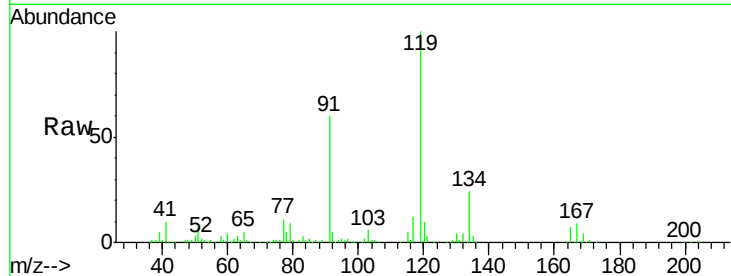
MSVOA_U

ClientSampleId :

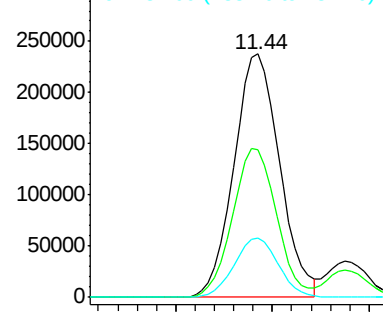
VSTDICCC010

Tot Ion:	119	Resp:	391187
Ion Ratio	Lower	Upper	
119	100		
91	58.5	29.3	87.8
134	23.7	19.0	28.4

Manual Integrations
APPROVED

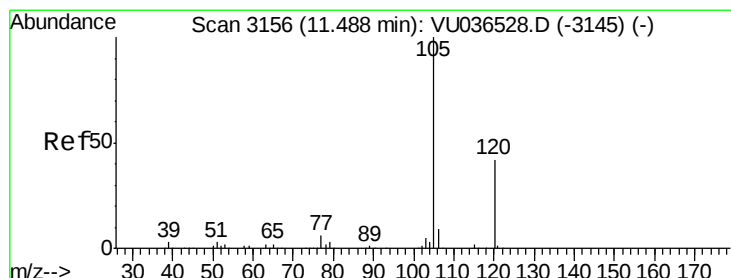
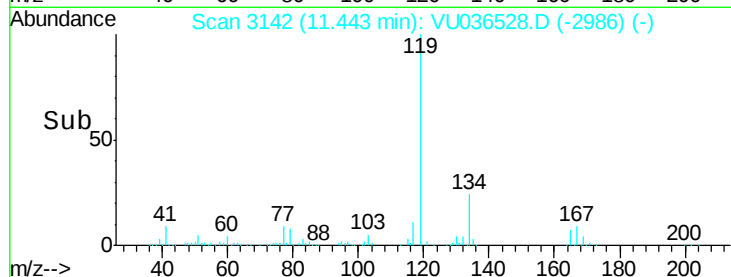


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



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#78

1,2,4-Trimethylbenzene

Concen: 9.536 ug/l

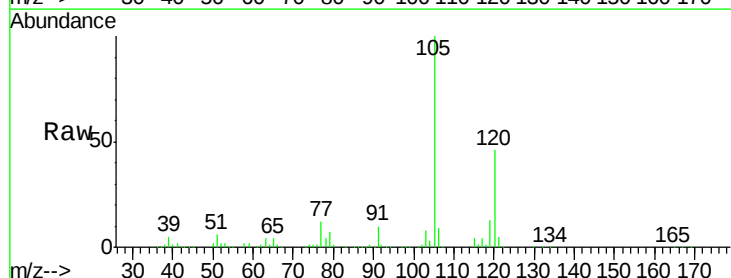
RT: 11.49 min Scan# 3156

Delta R.T. 0.00 min

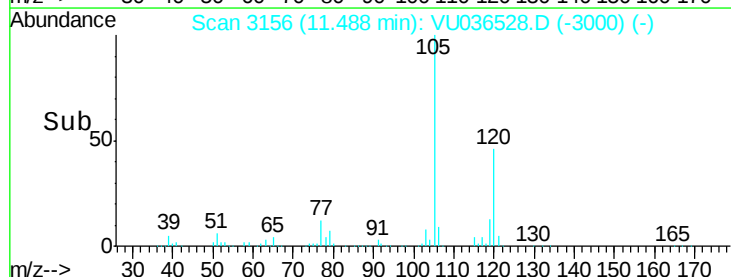
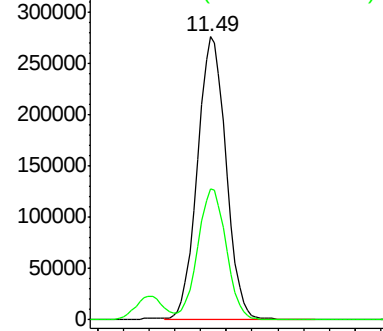
Lab File: VU036528.D

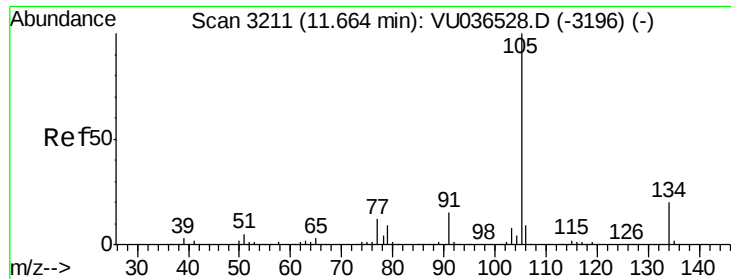
Acq: 22 Jan 2020 16:13

Tgt Ion:	105	Resp:	424596
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.3	69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 9.484 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

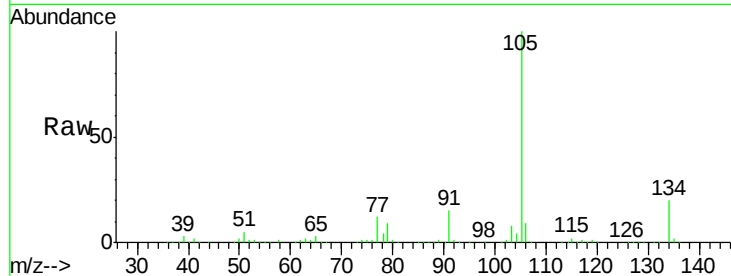
Tot Ion:105 Resp: 542049

Ion Ratio Lower Upper

105 100

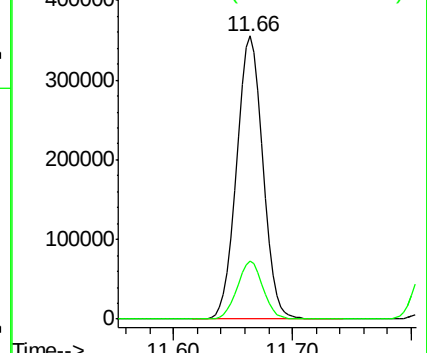
134 20.0 16.0 24.0

Manual Integrations
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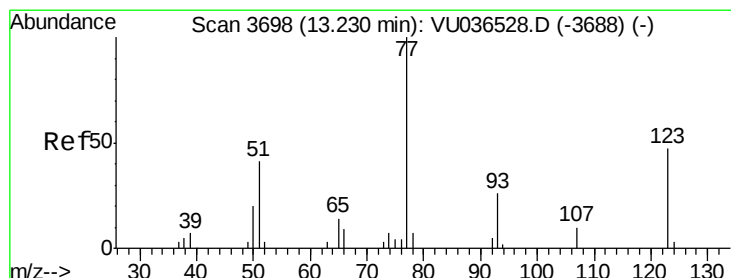
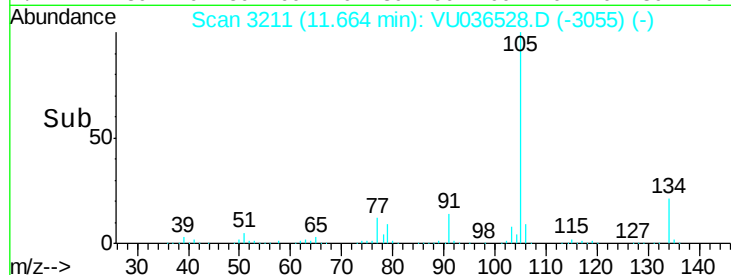
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 45.816 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

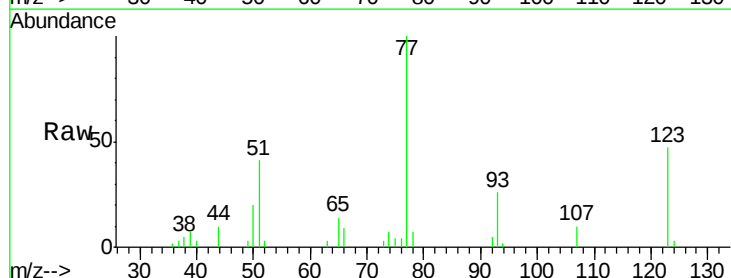
Tgt Ion: 77 Resp: 8489

Ion Ratio Lower Upper

77 100

123 44.6 19.6 69.6

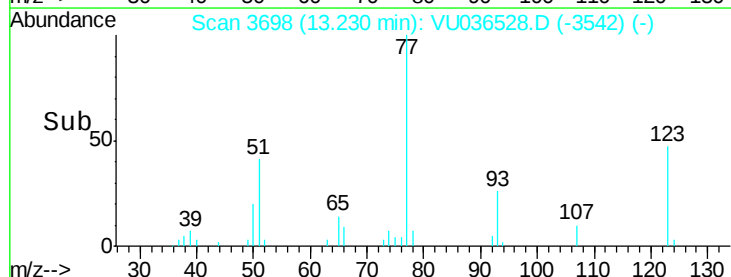
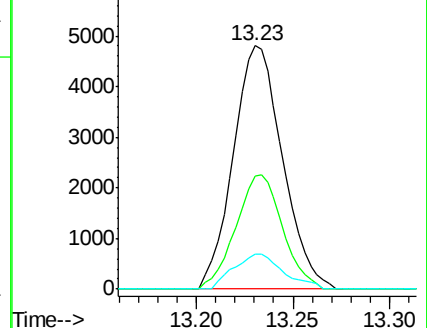
65 14.4 12.7 16.1

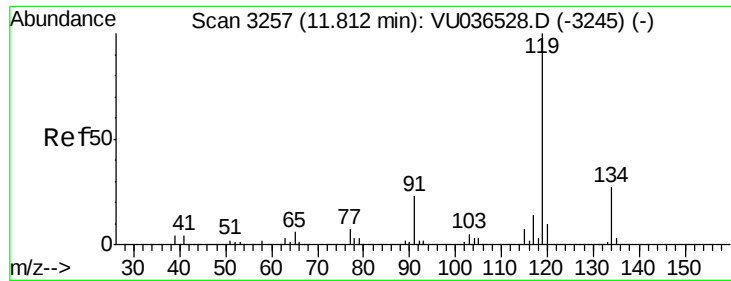


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 9.998 ug/l

RT: 11.81 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

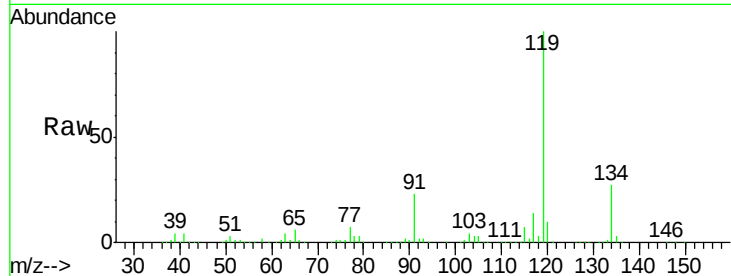
MSVOA_U

ClientSampleId :

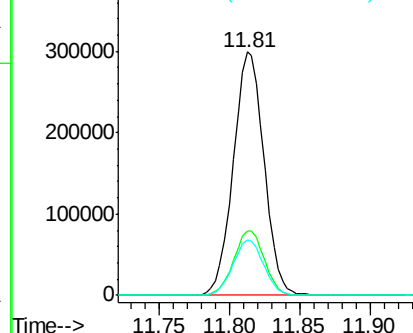
VSTDICCC010

Tot Ion:	119	Resp:	455727
Ion Ratio	Lower	Upper	
119	100		
134	26.7	21.4	32.0
91	22.9	18.3	27.5

Manual Integrations
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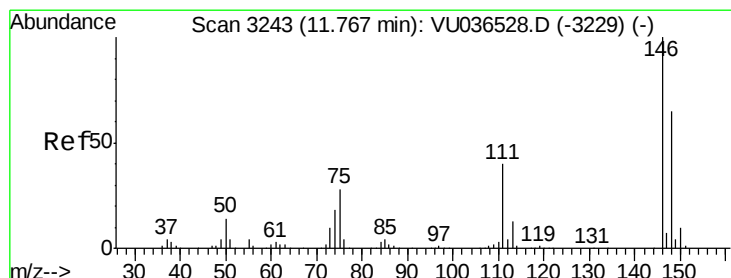
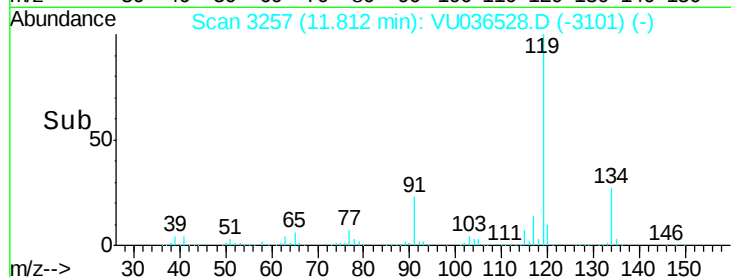


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



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#82

1,3-Dichlorobenzene

Concen: 10.367 ug/l

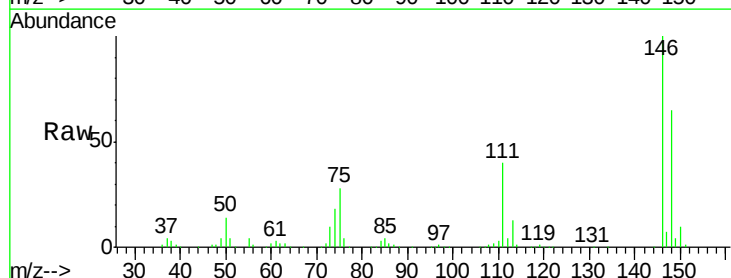
RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

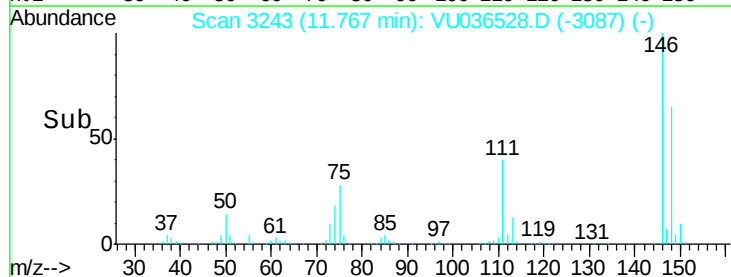
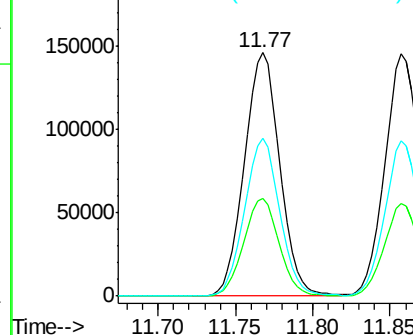
Lab File: VU036528.D

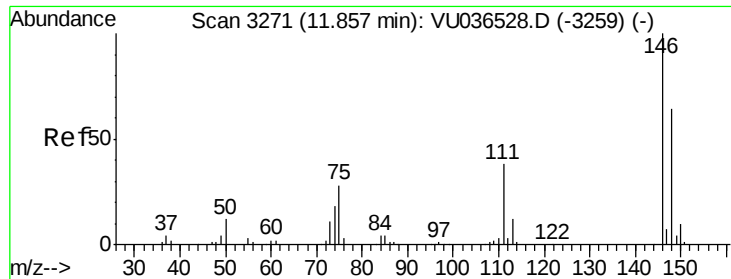
Acq: 22 Jan 2020 16:13

Tgt Ion:	146	Resp:	232899
Ion Ratio	Lower	Upper	
146	100		
111	40.2	32.2	48.2
148	64.3	51.4	77.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



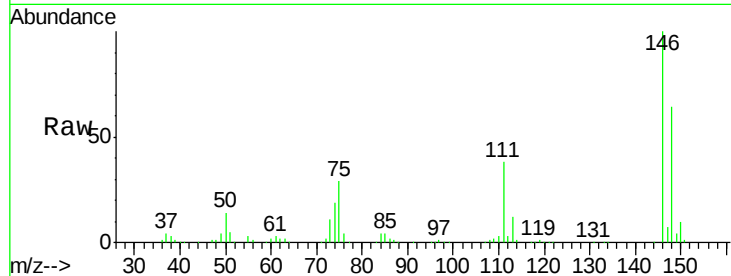


#83
1,4-Dichlorobenzene
Concen: 10.407 ug/l
RT: 11.86 min Scan# 3271
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

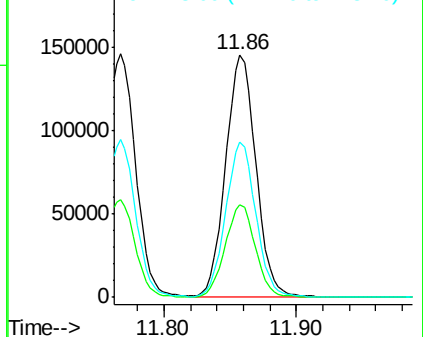
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	30.5	45.7
148	63.7	51.0	76.4

Manual Integrations
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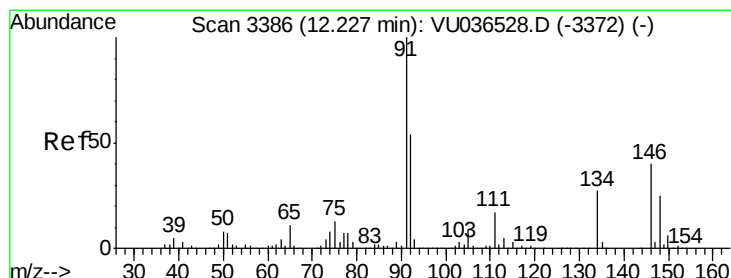
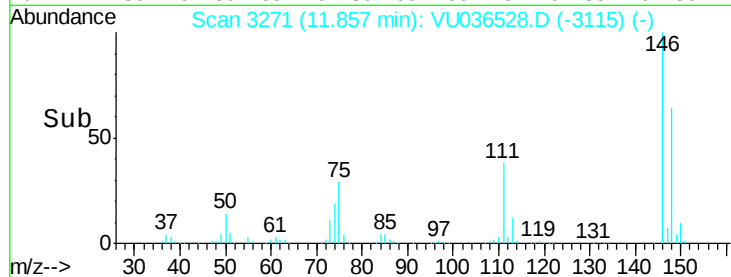


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



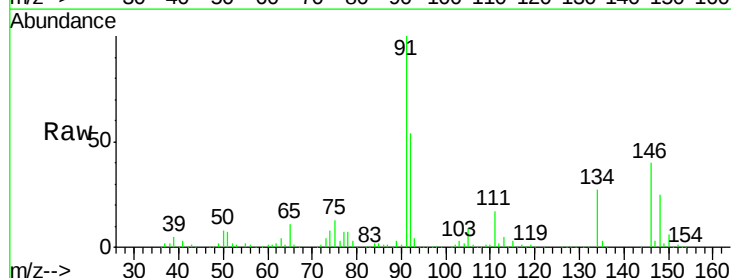
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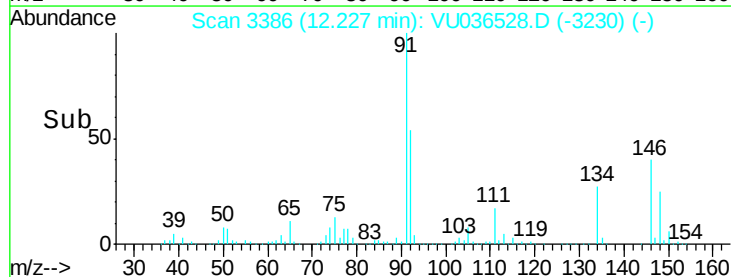
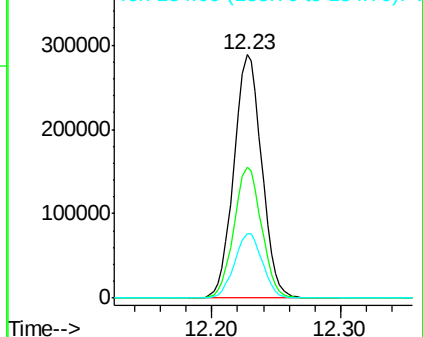


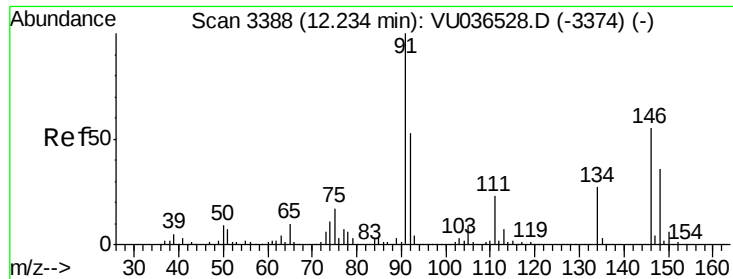
#84
n-Butylbenzene
Concen: 9.008 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.9	64.3
134	26.7	21.4	32.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V



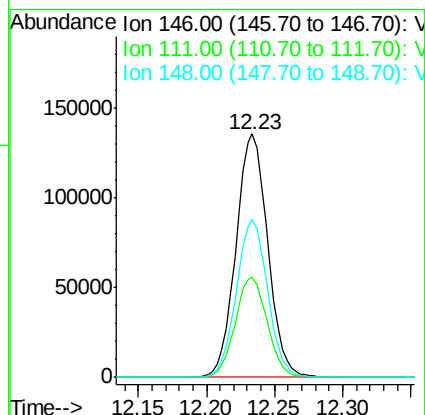
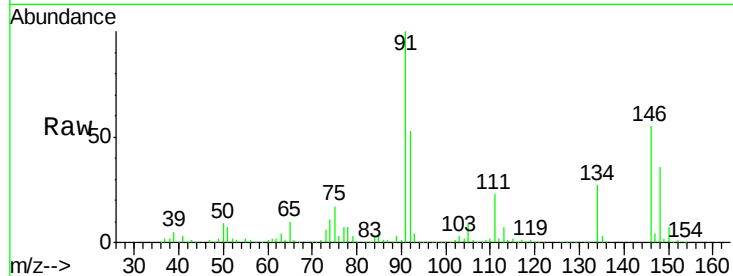


#85
 1,2-Dichlorobenzene
 Concen: 10.283 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

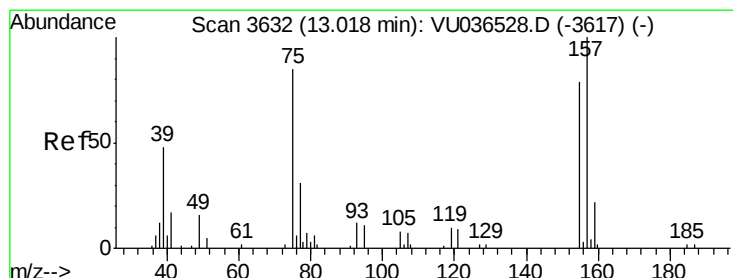
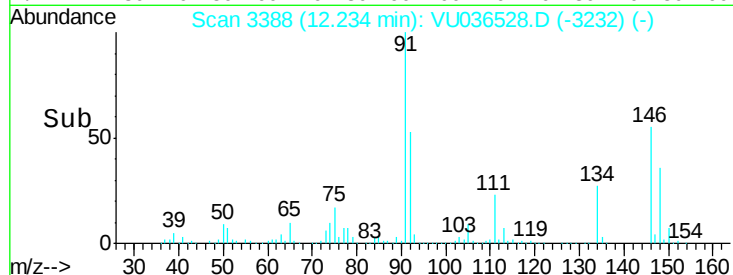
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	64.1	32.0	96.2

Manual Integrations
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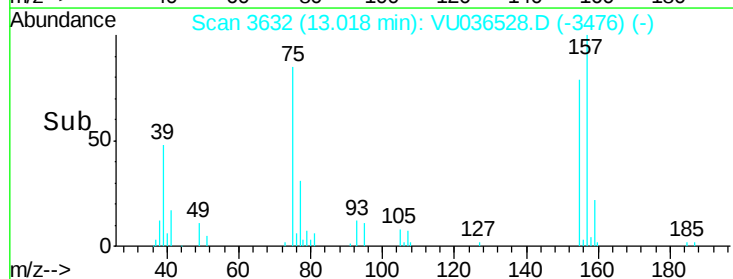
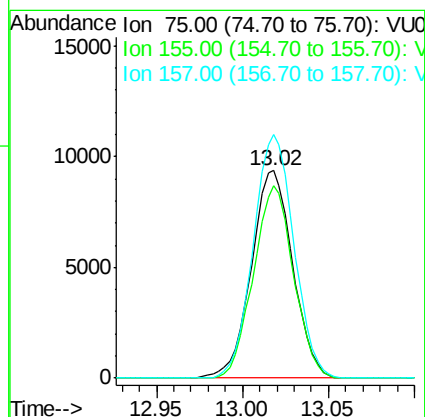
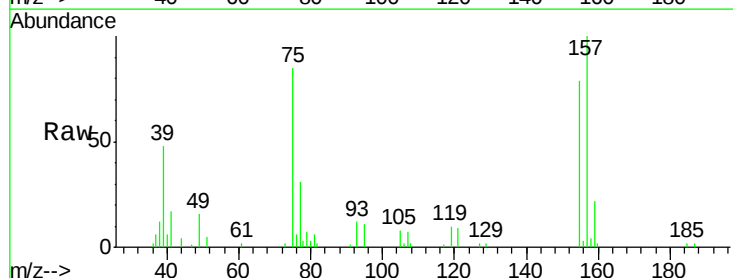
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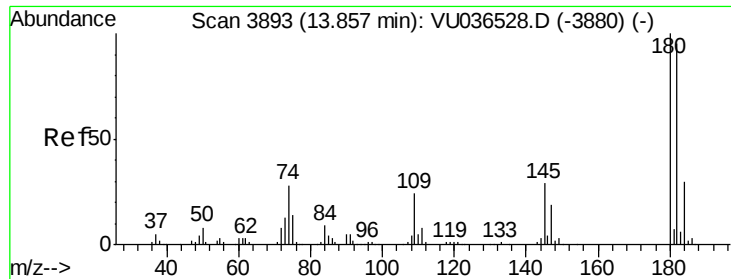
1/23/2020 3:21:50 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 8.113 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	71.8	107.8
157	115.5	92.4	138.6



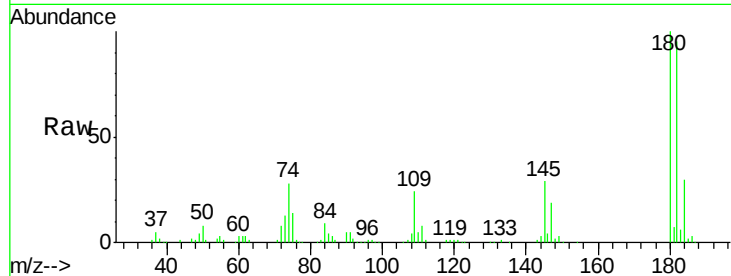


#87
 1,2,4-Trichlorobenzene
 Concen: 11.644 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

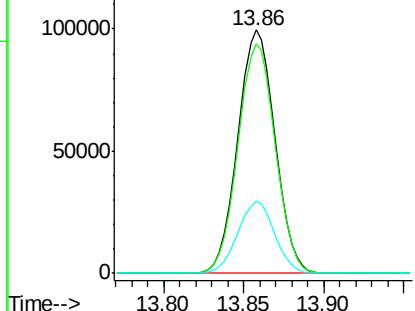
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	157160		
182	94.9	75.9	113.9	
145	29.3	23.4	35.2	

Manual Integrations
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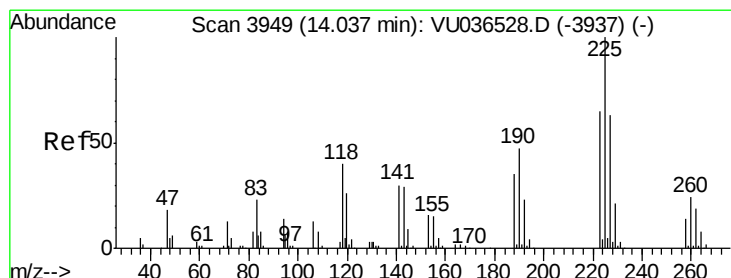
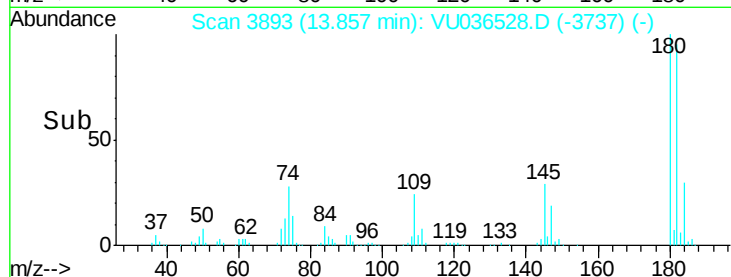


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



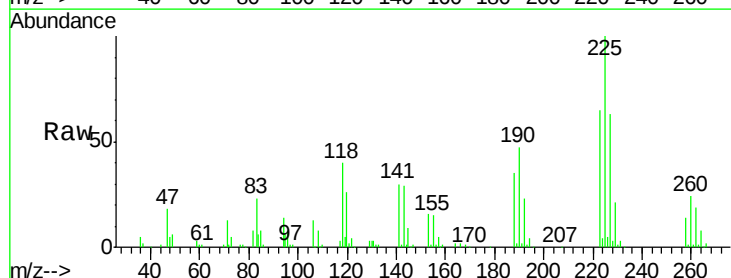
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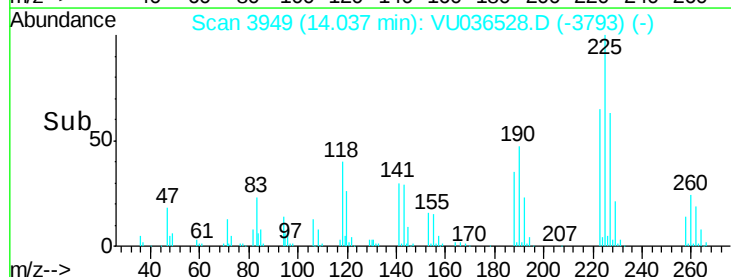
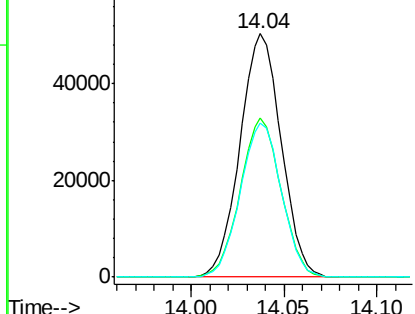


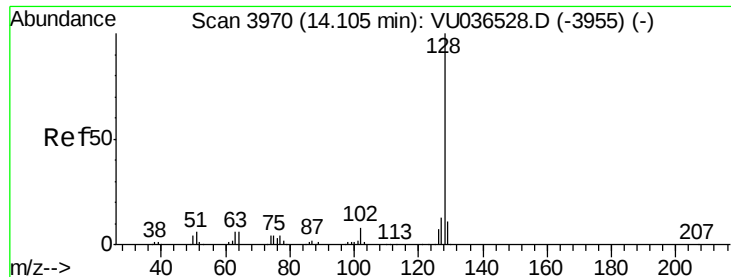
#88
 Hexachlorobutadiene
 Concen: 12.245 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77596		
223	64.6	51.7	77.5	
227	63.2	50.6	75.8	



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V



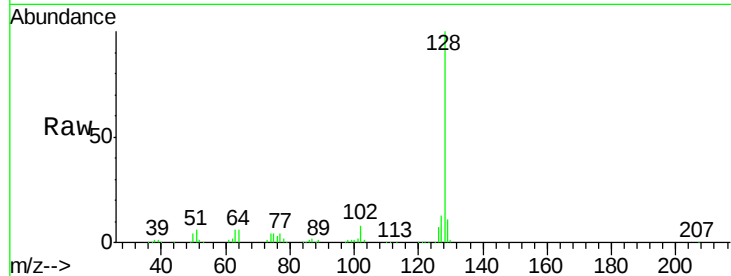


#89
Naphthalene
Concen: 10.581 ug/l
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

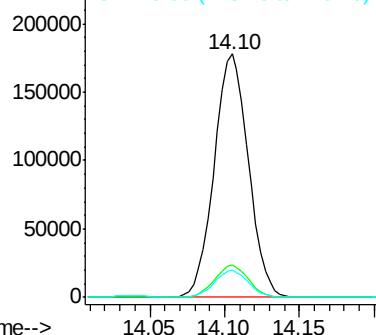
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

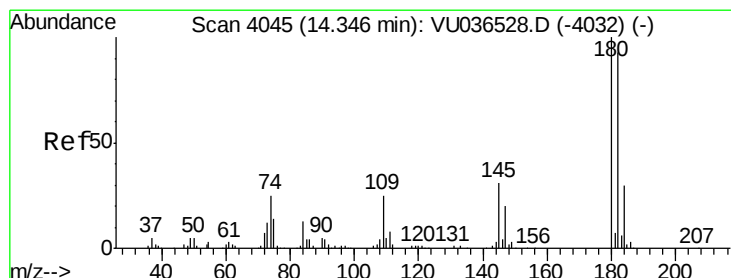
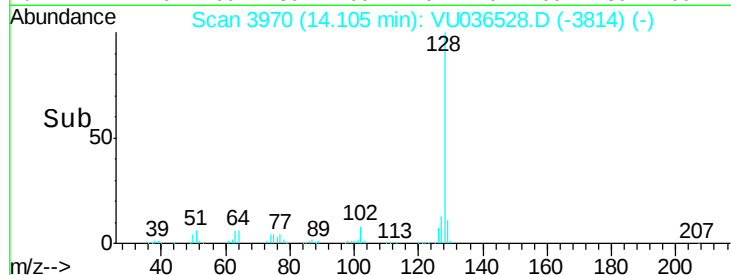


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



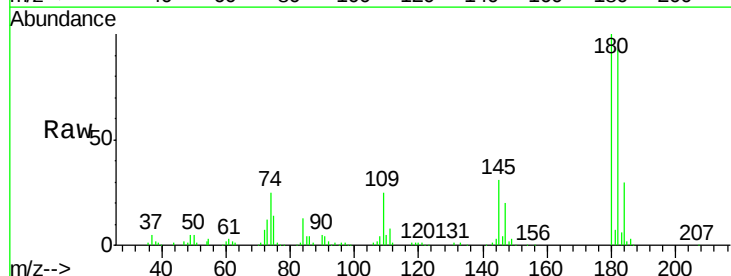
apatel

1/23/2020 3:21:50 PM



#90
1,2,3-Trichlorobenzene
Concen: 11.509 ug/l
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	31.5	25.2	37.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

